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Continued...
The main campus, with 1,600 acres of rolling hills and natural woodland along the Escambia River, is ten miles north of downtown Pensacola. Our facilities were designed to complement the natural forest and waterways. In addition, the University of West Florida has waterfront property on Santa Rosa Island that is available for recreational, academic, and research pursuits. The University operates the Emerald Coast which includes the Joint NWFSC/UWF Campus, Eglin AFB Center, Research and Engineering Education Facility (REEF), Hurlburt Field office, and other locations. UWF also manages 29 historic properties in downtown Pensacola.

In 1963, the Florida Legislature authorized funds to establish the University of West Florida. The first president, Dr. Harold B. Crosby, assumed office in July 1964. Ground was broken on April 16, 1965, and the first students began classes in the fall of 1967. Dr. James A. Robinson, the second president, took office in 1974. Dr. Morris L. Marx was inaugurated as UWF's third president in 1988; Dr. John C. Cavanaugh was appointed as the fourth president on July 15, 2002. Dr. Judith A. Bense currently serves as president and was appointed on July 1, 2008. A 13-member Board of Trustees governs the University.

Currently, UWF enrolls more than 12,679 students in its College of Arts and Sciences, College of Business, and College of Professional Studies, and has conferred more than 78,960 associate, bachelor's, master's, specialist, and doctoral degrees.

The UWF Welcome Center provides maps, parking permits, and information about facilities and campus events. Located at the east entrance to the campus, it has a drive-through window for automotive traffic and a lobby for walk-in visitors. Information concerning campus tours may be obtained from the Office of Undergraduate Admissions at (850) 474-2230 or 1-800-263-1074. Information about off-campus locations can be obtained by calling UWF Emerald Coast at (850) 863-6569.

More information about the University of West Florida and its programs is available on the Internet through the UWF Home Page at uwf.edu.
About UWF

In this section:
• Accreditation (p. 4)
• Alma Mater (p. 4)
• Chambered Nautilus (p. 4)
• College Mission Statements (p. 5)
• University Vision, Mission, and Values (p. 5)

Accreditation

The University of West Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate’s, baccalaureate, master’s, specialist, and Doctor of Education 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 West Florida.

Normal inquiries about the University of West Florida, such as admission requirements, financial aid, and educational programs should be addressed directly to the institution and not to the Commission’s office. The Commission is to be contacted only if there is evidence that appears to support an institution’s significant non-compliance with a requirement or standard.

In addition, specific colleges and programs are nationally accredited by the agencies indicated below.

<table>
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<tr>
<th>UWF Colleges and Programs</th>
<th>Accrediting Agency</th>
<th>Level of Degree</th>
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<tbody>
<tr>
<td>Athletic Training</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE)</td>
<td>B.S.</td>
</tr>
<tr>
<td>College of Business</td>
<td>AACSB International --The Association to Advance Collegiate Schools of Business</td>
<td>B.S.B.A. M.Acc. M.B.A.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>American Chemical Society (ACS)</td>
<td>B.S.</td>
</tr>
<tr>
<td>Clinical Laboratory Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
<td>B.S.</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>Engineering Accreditation Commission of ABET, Inc.</td>
<td>B.S.C.E.</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Engineering Accreditation Commission of ABET, Inc.</td>
<td>B.S.E.E.</td>
</tr>
<tr>
<td>Music</td>
<td>National Association of Schools of Music (NASM)</td>
<td>B.M. B.M.E.</td>
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Nursing
Commission on Collegiate Nursing Education (CCNE) B.S.N.

Psychology
Masters in Psychology (MPAC)

Public Health
Council on Education for Public Health (CEPH) M.P.H.

Social Work
Council on Social Work Education (CSWE) B.A. M.S.W.

The UWF School of Education is accredited at the National, Regional and State levels. At the National level, the School of Education is accredited by the Council for the Accreditation of Educator Preparation (CAEP) and recognized for producing caring, competent, and highly qualified teachers. At the state level, all teacher preparation programs have received approval by the Florida Department of Education (FLDOE).

Supporting Documentation:
The UWF School of Education Report Card: Title II Report

Alma Mater

Where learning’s light sends forth its beam
Through darkness of our youth,
There you, West Florida, home of dreams
Prepare the way of truth.
You guide us toward tomorrow’s shore
With knowledge of our past;
Your power in us rests secure,
And evermore will last.
Your stately mansions were our home
Where minds and hearts are free
And though we may far from you roam,
We’ll always honor thee.

Composer: Lynn Lauderdale, D.M.A.
Lyricist: A. Michael Yots, Ph.D.

Chambered Nautilus

Build thee more stately mansions, O my soul,
As the swift seasons roll!
Leave thy low-vaulted past!
Let each new temple, nobler than the last,
Shut thee from heaven with a dome more vast,
Till thou at length art free,
Leaving thine outgrown shell by life’s unresting sea!

--Oliver Wendell Holmes’ poem selected by Harold Bryan Crosby, the founding president of The University of West Florida, inspired the university seal. The University’s colors, blue and green, symbolize the sky and the sea, the vast knowledge that humankind has explored and the future yet to be conquered.
College Mission Statements

College of Arts and Sciences
The College of Arts and Sciences challenges students to meet high standards of academic excellence, develop their creativity, and increase their civic engagement as they acquire a broad knowledge base. Faculty actively involve students with discipline-specific concepts, theories, frameworks, and methods as students engage in a full range of scholarly activities and professional service. From a curriculum that emphasizes values and ethics, students develop assessable skills in critical thinking, communication, and project management that provide essential tools for dealing effectively with life in a world of accelerating change and growing diversity.

College of Business
The mission of the College of Business is to provide a high quality, student-oriented, educational experience to baccalaureate and master’s degree business students primarily from the Northwest Florida region. With a focused priority on teaching excellence, supported by scholarship and service, the College of Business prepares students for successful careers in business and society and, in doing so, advances the educational and economic development of Northwest Florida.

College of Professional Studies
The mission of the College of Professional Studies (COPS) is to educate and prepare competent professionals and educators to resolve 21st century problems using the most advanced theoretical, managerial, and technological knowledge, skills, and abilities available. Toward this goal, the College is synergistic, providing training for a wide range and variety of professional careers in public school leadership; engineering and computer technology; public administration; criminal justice and legal studies; teacher education; social work and aging studies; and health, leisure, and exercise science. In support of this mission, College faculty and staff provide for the development of community and regional educational partnerships that assist and benefit students.

Thus, a major emphasis in all professional programs is:
• To undergird each student’s professional program with a strong general educational background;
• To engage students in meaningful community service;
• To include students in collaborative research with faculty supported by strong academic programs;
• To involve students in creative and meaningful activities that enhance their overall educational experiences at UWF and opportunities and that advance the economy and quality of life in the region.

UWF is committed to planning and investing strategically to enhance student access and educational attainment; to build on existing strengths and develop distinctive academic and research programs and services that respond to identified regional and state needs; and to support highly qualified faculty and staff who engage students in rigorous, high-impact, student-oriented learning experiences that enhance personal and professional development and empower alumni to contribute responsibly and creatively to a complex 21st Century global society.

UWF’s Vision
The University of West Florida aspires to be widely recognized as a model of excellence and relevance, sought out as a distinctive intellectual and cultural center, valued as an engaged partner, and acclaimed for being “different by design.”

UWF’s Values
UWF’s institutional values, shared by students, faculty, and staff, make the University a great place to learn and to work. UWF is committed to maintaining policies and practices and pursuing initiatives congruent with these articulated values.

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>Caring</td>
<td>Maintaining a safe and dynamic learning and working environment that fosters the development of individual potential.</td>
</tr>
<tr>
<td>Collaboration</td>
<td>Promoting a culture of supportive and cooperative interactions and communication to advance and achieve shared expectations and goals.</td>
</tr>
<tr>
<td>Distinctiveness</td>
<td>Choosing to be different by design.</td>
</tr>
<tr>
<td>Inclusiveness</td>
<td>Welcoming, respecting, and celebrating the ways in which people and ideas are different and the ways in which they are similar.</td>
</tr>
<tr>
<td>Innovation</td>
<td>Exploring, expanding, and enhancing learning and knowledge through transforming experiences.</td>
</tr>
<tr>
<td>Integrity</td>
<td>Doing the right thing for the right reason.</td>
</tr>
<tr>
<td>Quality</td>
<td>Committing to uncompromising excellence.</td>
</tr>
<tr>
<td>Relevance</td>
<td>Adding value to enrich the personal and community lives of stakeholders.</td>
</tr>
<tr>
<td>Stewardship</td>
<td>Managing responsibly the resources entrusted to the University.</td>
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</table>

University Vision, Mission, and Values

UWF’s Mission
The University of West Florida (UWF) is a public university based in Northwest Florida with multiple instructional sites and a strong virtual presence. UWF’s mission is to provide students with access to high-quality, relevant, and affordable undergraduate and graduate learning experiences; to transmit, apply, and discover knowledge through teaching, scholarship, research, and public service; and to engage in community partnerships that respond to mutual concerns

Strategic Directions and UWF Priorities

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<td>Foster student learning and development to include the knowledge, skills, and dispositions that optimize students’ prospects for personal and professional success.</td>
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UWF Priority 1.2. Facilitate students’ access to and choice of the University of West Florida to meet their higher education needs.

UWF Priority 1.3. Improve student persistence and timely progression to degree attainment.

Strategic Direction 2: Distinctive Teaching, Scholarship, Research, and Professional Contributions

UWF Priority 2.1. Respond to the changing needs of the region, state, and nation by investing strategically to support innovative instruction and high-quality, relevant, and distinctive academic and research programs.

UWF Priority 2.2. Recruit, support, retain, and recognize dedicated, high-quality faculty who advance the mission, vision, and values of the University.

UWF Priority 2.3. Build a vibrant culture of scholarship and research that aligns with UWF’s strengths and capacities and supports UWF’s mission, vision, and values.

Strategic Direction 3: Valued Partnerships: Community Engagement and Service

UWF Priority 3.1. Develop, cultivate, assess, and sustain a network of mutually beneficial community partnerships.

UWF Priority 3.2. Advance the economy and quality of life in the region through partnerships with the citizens, businesses, organizations, and communities UWF serves.

UWF Priority 3.3. Expand community awareness, visibility, and support of UWF through its mutually beneficial partnerships.

Strategic Direction 4: Sustainable Institutional Excellence

UWF Priority 4.1. Support and sustain the high-quality services and infrastructure needed to achieve identified UWF priorities.

UWF Priority 4.2. Recruit, develop, retain, and recognize dedicated, high-quality staff members who advance the mission, vision, and values of the University.

UWF Priority 4.3. Maximize the acquisition and deployment of resources, and strategically align and integrate planning, budgeting, assessment, and continuous improvement efforts.

[1] High-impact learning experiences include teaching and learning practices that educational research suggests improve student engagement, learning, and retention (e.g., learning communities, undergraduate research, international studies and study abroad, service learning, community-based learning, internships, capstone projects).
Academic Calendar

The academic calendars list important dates and deadlines for each semester and are created and maintained by the Office of the Registrar.

Academic calendars can be viewed by clicking here (http://uwf.edu/registrar/calendar.cfm).
Governance, Administration, and Faculty

In this section:
- Governance and Administration (p. 8)
- Faculty (p. 8)

Governance and Administration

Florida Board of Governors
- Richard A. Beard III, Tampa
- Tony Bennett, (Education Commissioner) Tallahassee
- Matthew M. Carter II, Tallahassee
- Manoj Chopra, Oviedo
- Dean Colson, Chair, Coral Gables
- Patricia Frost, Miami Beach
- Morteza "Mori" Hosseini, Vice Chair, Daytona Beach
- H. Wayne Huizenga, Jr., Delray Beach
- Thomas G. Kuntz, Winter Park
- Ned C. Lautenbach, Naples
- Alan Levine, Naples
- Wendy Link, Palm Beach Gardens
- Edward Morton, Naples
- John Rood, Jacksonville
- Norman D. Tripp, Fort Lauderdale
- Elizabeth L. Webster, Weston
- Cortez Whatley, (Chairman, Florida Student Association)

UWF Board of Trustees
- Lewis Bear, Jr., Chair, Pensacola
- David E. Cleveland, Gulf Breeze
- Pamela Dana, Destin
- Chris Hill, SGA President, Seminole
- Robert 'Bob' Jones, Westville
- Suzanne Lewis, Pensacola
- LuTimothy May, Pensacola
- Susan O’Connor, Pensacola
- Mort O’Sullivan, Vice Chair, Pensacola
- Jay S. Patel, Pensacola
- Richard Hough, Faculty Senate President, Pensacola
- Bentina Terry, Pensacola
- Garrett Walton, Pensacola

Executive Officials
- Judith A. Bense, President
- Martha Saunders, Provost/Vice President for Academic Affairs
- Susan Stephenson, Vice President of Business, Finance, and Facilities
- Kevin Bailey, Vice President for Student Affairs

Faculty

Faculty, Administration and Staff
https://nautical.uwf.edu/people/main.cfm

Faculty Emeriti
http://uwf.edu/academic/awards/emeritus/emeritus.cfm
Undergraduate Catalog

This Catalog represents the current curricula, educational plans, and requirements of the University of West Florida at the time the text in the Catalog was prepared. The provisions of the Catalog do not constitute an offer for a contract that may be accepted by students through registration and enrollment in the University. In accordance with the University, UWF Board of Trustees, Florida Board of Governors, and Florida legislative mandates, the University must reserve the right to change any provision, offering, or requirement at any time within the student’s period of study at the University. Students should be aware that admission to the University or registration for a given semester does not necessarily guarantee the availability of a course at any specific time, but every effort will be made to meet each student’s curricular needs. Students are ultimately responsible for adhering to the requirements for courses and degrees offered by the University by obtaining current information about those courses and degree programs.

The University of West Florida is an Equal Opportunity/Affirmative Action Institution. The University is committed to the principles of equal opportunity. Programs, activities, services, and all terms and conditions of employment of the University are offered with equal access to all persons without regard to race, color, ethnicity, religion, gender, sexual orientation, age, national origin, or disability.

Persons with a disability requiring reasonable accommodation should contact the Student Disability Resource Center in Building 19, at least five working days in advance to make appropriate arrangements. Persons with hearing or speech impairments should use the Florida Dual Party Relay System at 1-800-955-8770 (voice) or 1.800.955.8771 (TTY).
Undergraduate Admissions

In this section:
- Freshmen Admissions (p. 10)
- Transfer Admissions (p. 12)
- International Admissions (p. 14)
- General Readmission (p. 16)
- Appeal of Admission Denial (p. 16)

Freshmen Admissions

The following outlines the general processing of all First Time in College students to the University of West Florida. These procedures are encompassed in UWF Regulation 3.001, approved by the University of West Florida Board of Trustees in June 2012.

General Provisions

- Admission decisions to the University of West Florida ("UWF" or "University") are made by the University subject to the regulations of the Florida Board of Governors ("BOG").
- For the purposes of this regulation, "First Time In College" ("FTIC") students are defined as students who have earned a standard high school diploma from a regionally accredited high school or its equivalent and who have earned fewer than 12 semester hours of transferable college credit, as defined in UWF/REG 3.032(12), since graduating from high school, as evaluated by UWF.
- Undergraduate admission decisions for FTIC students are determined on a selective basis within curricular, space, enrollment and fiscal limitations. Satisfaction of minimum admission requirements does not guarantee acceptance. The selection process may include, but is not limited to, such factors as grades, test scores, pattern of courses completed, class rank, educational objectives, past conduct, academic recommendations, personal recommendations and achievements. Preference for admission in any term will be given to those applicants whose credentials indicate the greatest promise of academic success while enrolled at UWF. Admission to UWF as a FTIC student affords an applicant the ability to enroll as a degree-seeking candidate in pursuit of a baccalaureate degree.
- UWF does not discriminate in the admission process based upon age, color, disability, gender (sex or gender identity), marital status, national origin, race, religion, sexual orientation, or veteran status.

First Time In College Student Admission

The minimum admission requirements expected of FTIC students are established by the Florida Board of Governors and are set forth in BOG Regulation 6.002. Satisfaction of the BOG minimum requirements does not automatically guarantee admission to the University of West Florida.

The BOG minimum admission standards require:

1. A standard diploma from a regionally accredited high school or its equivalent. Applicants with a General Educational Development ("GED") certificate must refer to subparagraph (4). Applicants that are participants in a Home Education or Other Non-

For students who entered high school on July 7, 2007, or later, completion of 18 academic units of college-preparatory, year-long courses or equivalents (normally offered in grades nine through 12) are required as follows:

- four (4) units of English – three of which must have included substantial writing requirements;
- four (4) units of mathematics – at the algebra I level and above;
- three (3) units of natural science – two of which must have included substantial laboratory requirements;
- three (3) units of social science – history, civics, political science, economics, sociology, psychology or geography;
- two (2) units of the same foreign language or American Sign Language demonstrating proficiency through the second level; and
- two (2) additional academic elective units from among these five academic areas and other courses approved by the BOG.

For students who entered high school prior to July 7, 2007, completion of 18 academic units of college-preparatory, year-long courses or equivalents (normally offered in grades nine through 12) are required as follows:

- four (4) units of English – three of which must have included substantial writing requirements;
- three (3) units of mathematics – at the algebra I level and above;
- three (3) units of natural science – two of which must have included substantial laboratory requirements;
- three (3) units of social science – history, civics, political science, economics, sociology, psychology or geography;
- two (2) units of the same foreign language or American Sign Language demonstrating proficiency through the second level; and
- three (3) additional academic elective units from among these five academic areas and other courses approved by the BOG.

2. An official SAT Reasoning score (writing included) or ACT Plus Writing score; and
3. High school grades that meet either subparagraph a. or b.

a) At least a “B” average (3.0 on a 4.0 scale) as computed by UWF in the required high school academic units in English, mathematics, natural science, social science, foreign language and academic electives; or
b) At least a 2.5 grade point average (on a 4.0 scale) as computed by UWF in the required high school academic units in English, mathematics, natural science, social science and foreign language and the following test scores:
   - SAT – Critical Reading # 460; or ACT –
Applicants.

General Application Processing for First Time In College Student

decision for admission to the restricted program from the department. The program will receive a decision for general admission to UWF from the Office of Undergraduate Catalog by program. Applicants to a restricted access program. Explanations of these requirements are published in the Undergraduate Catalog. Some academic programs require a portfolio review, audition, or some element of pre-qualification prior to admission to the limited access program from the department.

Limited Access Programs

Enrollment Limitations

The admission of FTIC students to UWF shall be in accordance with the University’s mission and goals and shall comply with any enrollment limitations established by the BOG or the University.

Limited Access Programs

In addition to the requirements for admission set forth in paragraph two (2) above, applicants seeking admission to limited access programs must meet specific departmental requirements as published in the Undergraduate Catalog. Applicants to a limited access program will receive a decision for general admission to UWF from the Office of Undergraduate Admission and will receive a separate decision for admission to the limited access program from the department.

Restricted Access Programs

Some academic programs require a portfolio review, audition, or some element of pre-qualification prior to admission to the program. Explanations of these requirements are published in the Undergraduate Catalog by program. Applicants to a restricted access program will receive a decision for general admission to UWF from the Office of Undergraduate Admission and will receive a separate decision for admission to the restricted program from the department.

General Application Processing for First Time In College Student Applicants.

• A complete application for admission, including all required documentation and the non-refundable application fee, must be submitted by all students except those who were previously enrolled at UWF in a degree program.

• Applications for admission are accepted as early as 12 months before the requested term of entry. Complete applications must be submitted before the published application deadline date for the term desired. UWF reserves the right to return the application and application fee when the application is received after the published deadline or after any enrollment limit is reached for the requested term of entry. UWF also reserves the right to accept applications for admission after the deadline on a space-available basis.

• Applications for admission are evaluated using a comprehensive review in the Office of Undergraduate Admission. All decisions are communicated in a letter issued to the applicant by the Office of Undergraduate Admissions.

• Admission to UWF is granted for a specific term and to a specific academic program. Students whose major is undeclared at the time of application will be assigned “undecided” as their academic program choice. The specific term of entry and the academic program to which the student is admitted are both stated in the decision letter.

• All official transcripts, test scores, and other credentials must be received directly from the issuing institution or agency. Standardized test scores (SAT, ACT, TOEFL, CPT and PERT) may be considered to be official if they are recorded on an official high school transcript. It is the applicant’s responsibility to request official copies of all required credentials and to assure their receipt by UWF. All documents and credentials submitted become the property of UWF. The originals will not be returned to applicants nor forwarded to a third party.

• UWF reserves the right to request validation of an applicant’s test scores (SAT, ACT, TOEFL, CPT, or PERT) prior to making an admission decision if deemed necessary.

• A final high school transcript showing the graduation date must be submitted as soon as issued to confirm the candidate’s eligibility to enroll. UWF reserves the right to rescind an applicant’s or student’s admission to the University if his or her final transcript demonstrates that he or she no longer meets the standards for admission.

• An application which contains false, fraudulent or incomplete statements may result in denial of admission, denial of further registration, and/or revocation of degree(s) awarded.

• The University shall evaluate an applicant’s previous conduct to determine whether offering the applicant admission is in the best interest of the University. Applicants with a record of previous misconduct at an educational institution or criminal conduct will be evaluated during the admission process in accordance with UWF Regulation 3.003.

• All FTIC students are required to participate in a New Student Orientation program on the University campus.

• In accordance with BOG Regulation 6.001(9), and the UWF policy governing immunization requirements, once accepted for admission, each student must submit a signed medical history form and must provide documentation of appropriate immunization, prior to the start of classes.

• Applicants may request to change their term of entry to a different term. The newly desired term of entry must be within one academic year of the originally requested term of entry provided there is no alternative enrollment at another college or university in the interim. For example, an applicant for the fall 2012 term could change the term of entry to the spring 2013 term or the summer 2013 term but not the fall 2013 term, where one academic year would have elapsed from the original term of entry.

1. All requests for changes of entry dates must be submitted in writing and received before the published application deadline for the new desired term of entry.
2. A new application and application fee is required for applicants who accumulate additional academic coursework between the original term of entry and the desired term of entry.

3. A new application and fee is required for applicants who wish to be considered for admission for a term that begins more than 12 months after the originally requested term of entry.

4. Applicants who request to change their term of entry will be reevaluated for admission using the admissions requirements and selection criteria in effect for the new term requested.

5. Those changing terms of entry who apply to a limited access or restricted program will have their application re-evaluated within the context of the subsequent applicant pool.

Applications and documents submitted by those applicants who are either denied or who do not enroll are retained as inactive files for one year only and are then destroyed.

UWF will provide reasonable substitution of admission requirements for an applicant as long as the absence of the requirement would not constitute a fundamental alteration in the nature of the program of study to which the applicant sought admission, and the applicant establishes:

1. that he or she is disabled as defined in BOG Regulation 6.018, and
2. that his or her inability to meet the admission requirement is related to the disability.

FTIC student applicants who do not meet the minimum admissions criteria may be considered for admission to the University of West Florida. Such applicants will be evaluated for admission on a case by case basis using a comprehensive review of factors, such as, but not limited to, a combination of test scores and GPA that indicate potential for success, improvement in high school record, family educational background, socioeconomic status, graduation from a low performing high school, graduating from an International Baccalaureate program, geographic location, military service, special talents or abilities, or other special circumstances that contribute to a diverse student body.

Appeal
First time in college student applicants denied admission may appeal this decision in writing to the Office of Undergraduate Admissions. This request must contain reasons why reconsideration is warranted and should highlight extenuating circumstances and/or appropriate alternative evidence of academic achievement, ability, motivation and responsibility that indicates potential for success at UWF. Student-initiated appeals are heard by the Undergraduate Admissions Decision Committee.

Early Admission
Early Admission decisions are made as a result of a comprehensive review in the same manner as other FTIC student admission decisions.

Dual Enrollment
Requirements for permission to participate in the Dual Enrollment Program are outlined in the articulation agreements between UWF and the respective school district.

Transfer Admissions
The following outlines the general processing of all Transfer students to the University of West Florida. These procedures are encompassed in UWF Regulation 3.032, approved by the University of West Florida Board of Trustees in June 2012. Until this approval, transfer student admission practices had been contained within the FTIC admission protocol. In June 2012, these procedures were developed into their own regulation.

General Provisions
- Admission decisions to the University of West Florida ("UWF" or "University") are made by the University subject to the regulations of the Florida Board of Governors ("BOG").
- "Transfer" applicants are those applicants who, prior to admission to UWF, have earned 12 or more semester hours of transferable college credit, as defined in this regulation, since graduating from high school, as evaluated by the Office of Undergraduate Admissions.
  a. Transfer applicants with fewer than 60 semester hours of transferable college credit must meet the transfer admission requirements set forth in paragraph (2) below, and these applicants must also meet the First Time In College ("FTIC") student admission requirements located in UWF Regulation 3.001.
  b. Transfer applicants with 60 or more semester hours of transferable college credits must meet the transfer admission requirements set forth in paragraph (2) below.
- Undergraduate admission decisions for transfer students are determined on a selective basis within curricular, space, enrollment and fiscal limitations. Satisfaction of minimum admission requirements does not guarantee acceptance. The selection process may include, but is not limited to, such factors as grades, test scores, pattern of courses completed, class rank, educational objectives, past conduct, academic recommendations, personal recommendations and achievements. Preference for admission in any term will be given to those applicants whose credentials indicate the greatest promise of academic success while enrolled at UWF.
- UWF does not discriminate in the admission process based upon age, color, disability, gender (sex or gender identity), marital status, national origin, race, religion, sexual orientation nor veteran status.

Transfer Student Admission
The minimum admission requirements expected of transfer students are established by and are set forth in BOG Regulation 6.004. Satisfaction of the BOG minimum requirements does not automatically guarantee admission to the University of West Florida. The BOG regulation requires the transfer applicant to:
- Be in good standing and eligible to return to the last post-secondary institution attended as a degree-seeking student;
- Have a cumulative 2.0 Grade Point Average ("GPA") on a 4.0 system. The GPA is calculated using all transferable post-secondary credits (see paragraph (12)b. below);
- Satisfy the minimum admission requirements for entering FTIC students (See UWF Regulation 3.001) if transferring with fewer than 60 semester hours; and
- Demonstrate proficiency to the second level of the same foreign language (or American Sign Language) taken either in high school or at the undergraduate institution(s) attended previously.
  a. Transfer students not meeting the foreign language requirement may be admitted; however, if admitted, such students are required to complete the foreign language requirement prior to UWF graduation.
b. Transfer students who received an Associate of Arts ("AA") degree from a Florida public college or university prior to September 1, 1989 are exempt from this requirement.

Enrollment Limitations

The admission of transfer students to UWF shall be in accordance with the University’s mission and goals and shall comply with any enrollment limitations established by the BOG or the University.

Limited Access Programs

- In addition to the requirements for admission set forth in paragraph two (2) above, applicants seeking admission to limited access programs must meet specific departmental requirements as published in the Undergraduate Catalog. Applicants to a limited access program will receive a decision for general admission to UWF from the Office of Undergraduate Admission and will receive a separate decision for admission to the limited access program from the department.
- The admissions criteria and procedures for limited access programs at UWF provide equal access to AA degree holders from Florida College System institutions, AA degree transfers from other Florida State University System institutions, and UWF students of equivalent status.

Restricted Access Programs

Some academic programs require a portfolio review, audition, or some element of prequalification prior to admission to the program. Explanations of these requirements are published in the Undergraduate Catalog by program. Applicants to a restricted access program will receive a decision for general admission to UWF from the Office of Undergraduate Admission and will receive a separate decision for admission to the restricted access program from the department.

General Application Processing for Transfer Student Applicants

- A complete application for admission, including all required documentation and the non-refundable application fee, must be submitted by all students except those who were previously enrolled at UWF in a degree program.
- Applications for admission are accepted as early as 12 months before the requested term of entry. Complete applications must be submitted before the published application deadline date for the term desired. UWF reserves the right to return the application and application fee when the application is received after the published deadline or after any enrollment limit is reached for the requested term of entry. UWF also reserves the right to accept applications for admission after the deadline on a space-available basis.
- Applications for admission are evaluated using a comprehensive review in the Office of Undergraduate Admission. All decisions are communicated in a letter issued to the applicant by the Office of Undergraduate Admission.
- Admission to UWF is granted for a specific term and to a specific academic program. Depending upon the number of credits already earned, a student may be required to declare a specific academic program at the time of application. The specific term of entry and the academic program to which the student is admitted are both stated in the decision letter.

- All official transcripts, test scores, and other credentials must be received directly from the issuing institution or agency. Standardized test scores (SAT, ACT, TOEFL, CPT, or PERT) may be considered to be official if they are recorded on an official high school transcript. It is the applicant’s responsibility to request official copies of all required credentials and to assure their receipt by UWF. All documents and credentials submitted become the property of UWF. The originals will not be returned to applicants or forwarded to a third party.
- UWF reserves the right to request validation of an applicant’s test scores (SAT, ACT, TOEFL, CPT, or PERT) prior to making an admission decision if deemed necessary.
- UWF reserves the right to rescind an applicant’s or student’s admission to the University if, upon review, his or her final transcript(s) demonstrates that he or she no longer meets the standards for admission.
- An application which contains false, fraudulent or incomplete statements may result in denial of admission, denial of further registration and/or revocation of degree(s) awarded.
- The University shall evaluate an applicant’s previous conduct to determine whether offering the applicant admission is in the best interest of the University. Applicants with a record of previous misconduct at an educational institution or criminal conduct will be evaluated during the admission process in accordance with UWF Regulation 3.003.
- In accordance with BOG Regulation 6.001(9), and the UWF policy governing immunization requirements, once accepted for admission at UWF, each student must submit a signed medical history form and must provide documentation of appropriate immunization, prior to the start of classes.
- Applicants may request to change their semester of entry to a different semester. The newly desired semester of entry must be within one academic year of the semester originally requested on their application provided there is no alternative enrollment at another college or university in the interim. For example, an applicant for the fall 2012 semester could change the semester of entry to the spring 2013 semester or the summer 2013 semester, but not the fall 2013 semester.

1. All applicants who wish to change their entry semester must submit a “Request to Change Semester” Form. The form must be received before the published application deadline for the new desired semester of entry.
2. A new application and application fee is required for applicants who accumulate additional academic coursework between the original semester of entry and the desired semester of entry.
3. A new application and fee is required for applicants who wish to be considered for admission for a semester that begins more than 12 months after the originally requested semester of entry.
4. Applicants who request to change their semester of entry will be reevaluated for admission using the admissions requirements and selection criteria in effect for the new semester requested.
5. Those changing semesters of entry who apply to a limited access or restricted program will have their application re-evaluated within the context of the subsequent applicant pool.

Applications and documents submitted by those applicants who are either denied or who do not enroll are retained as inactive files for one year only and are then destroyed.
Undergraduate Transfer Credit Processing

UWF will provide reasonable substitution of admission requirements for an applicant as long as the absence of the requirement would not constitute a fundamental alteration in the nature of the program of study to which the applicant seeks admission, as long as the applicant establishes:

1. that he or she is disabled as defined in BOG Regulation 6.018, and
2. that his or her inability to meet the admission requirement is related to the disability.

Within curricular, space, enrollment and fiscal limitations, admission as a junior to the upper division of the University will be granted to any applicant with an AA degree from a Florida public, postsecondary institution who has not enrolled in a degree seeking program at any other educational institution since his or her AA degree was conferred. The admission of such transfer students is governed by BOG Regulation 6.004 and any applicable articulation agreement.

Transfer student applicants who do not meet the minimum admissions criteria may be considered for admission to the University of West Florida. Such applicants will be evaluated for admission on an individual basis using a comprehensive review of factors, such as, but not limited to, a combination of test scores and GPA that indicate potential for success, family educational background, socioeconomic status, geographic location, military service, special talents or abilities, or other special circumstances which contribute to a diverse student body.

**Appeal**

Undergraduate transfer applicants denied admission may appeal this decision in writing to the Office of Undergraduate Admission. This request must contain reasons why reconsideration is warranted and should highlight extenuating circumstances and/or appropriate alternative evidence of academic achievement, ability, motivation and responsibility that indicates potential for success at UWF. Student-initiated appeals are heard by the undergraduate admissions appeal committee.

**Undergraduate Transfer Credit Processing**

- The receipt and evaluation of transfer credits is the responsibility of the Office of Undergraduate Admission. In addition, the Office of Undergraduate Admission evaluates General Studies, Gordon Rule, CLAS, and multicultural course requirements necessary for graduation. The department chairperson for the program to which an applicant applies has ultimate authority in determining which courses are applicable to award the requirements for that degree at UWF. Appeals for reconsideration of transfer credit evaluations must be directed to the Office of Undergraduate Admission. In many instances, exact course equivalents are determined after consultation with the departments.
- UWF will only accept transfer credits from those institutions that were accredited by a regional or national accrediting agency recognized by the United States Department of Education at the time the credits were earned. For applicability to a specific degree program, departments may specify that transfer credits must be earned at an institution accredited by a specific accrediting agency.
- All satisfactorily completed courses from a regionally or nationally accredited Florida postsecondary institution that participates in Florida’s Statewide Course numbering system (“SCNS”) and which bear the same SCNS course prefix and last three digits as a UWF course will automatically be transferred pursuant to the Florida Statewide Articulation Agreement. If the course is not part of SCNS, courses may transfer after consultation with the appropriate academic departments. Factors that may be considered in making determinations for transfer of credit and for course equivalents include, but are not limited to, course description, course student learning outcomes, course syllabi, course text and other learning materials, qualifications of the course instructor, accredited status of the institution originally awarding credit, time elapsed since the course was completed, and student grades in courses taken at UWF. Applicability of such credits to a degree program will be by the department for which the student is admitted at the time of the student’s admission to the University or readmission in the event the student does not maintain continuous enrollment.
- Applicants with credits from institutions that are not accredited by a regional or national accrediting agency may petition the Office of Undergraduate Admission for a re-evaluation of the credits earned at such institutions for inclusion in their UWF academic record. In order to be eligible to petition, these applicants must have earned a minimum of 20 credits at UWF with a cumulative UWF GPA of at least 2.0.
- UWF reserves the right to evaluate specific courses and deny transfer credit. Courses that are remedial, occupational or vocational in nature are not accepted for transfer credit.
- Applicants who have earned an AA degree from a Florida public higher education institution are automatically awarded 60 semester credit hours. Credits of all other AA degree transfer applicants will be evaluated on a course-by-course basis.
- Transfer credit will not be awarded for tests taken for the purpose of earning a GED credential.
- Service school courses will be evaluated with reference to the recommendations of the American Council of Education when official credentials have been presented. Such recommendation, however, is not binding upon the University.
- A maximum of 60 semester hours of nontraditional credit (military service credits, AP, IB, AICE, DANTES, and CLEP) can be applied to the students record. No more than 30 credits of any one type of credit can applied. For those credits awarded by examination, official score reports from the testing agencies may be required.
- GPAs for the purpose of admission are computed based on grades earned in courses that are acceptable for transfer credit. During this computation, incomplete grades are computed as failures.
- Grades earned in transferred courses are not computed in the student’s UWF GPA except for the purposes of admission to limited access programs, awarding of honors at graduation, and class ranking of baccalaureate students.

**International Undergraduate Admissions**

Applications to the University are considered international if they are not U.S. Citizens, hold dual citizenship between the U.S. and another country, or are permanent residents currently residing in the U.S. In addition to the policies and procedures stated for the different categories of admission, the following information pertains to international applicants. Domestic applicants should refer to the “Freshman Admissions” or “Transfer Admissions” sections.

The following outlines the general processing of all International students to the University of West Florida. These procedures are
embraced in UWF Regulation 3.042, approved by the University of West Florida Board of Trustees in March 2012.

International Student Office (ISO)

1. Admission of international students to the University of West Florida (“UWF” or “University”) is governed by University of West Florida admission regulations 3.001, 3.002, 3.004, and 3.032, Florida Board of Governors (BOG) Regulations 6.001, 6.002, 6.003, 6.004, and 6.009, and the requirements herein.

2. For purposes of this regulation applicants to the University of West Florida will be considered “International” students if they are not U.S. citizens and if they require a visa to remain in the United States. Applicants who are permanent residents of the United States are not considered international students.

3. The admission requirements stated in the Board of Governors and UWF regulations are minimum requirements. Satisfaction of minimum requirements does not guarantee admission into the University. Preference for admission in any term will be given to those applicants whose credentials indicate the greatest promise of academic success.

4. Applicants must meet the following criteria and submit the required documentation to receive consideration for admission to the University:
   - A degree seeking applicant (undergraduate and graduate) whose native language is not English must provide evidence of English language proficiency. Non-degree undergraduate students are not required to provide documentation of English proficiency unless they are attending UWF under an international exchange agreement which requires the student to document English proficiency. The English requirement (proficiency in written and spoken English) may be fulfilled by establishing one of the following:
     - i That he or she is from a country where English is the official language; or
     - ii That his or her prior associate’s, bachelor’s, master’s, or doctoral degree was earned from a regionally accredited college or university in the United States; or
     - iii His or her prior bachelor’s, master’s, or doctoral degree was earned from a country where English is the official language, or from a university at which English is the official language of instruction; or
     - iv That he or she completed his or her junior and senior year in a U.S. high school with a SAT Verbal score of 550 or a ACT English score of 23; or
     - v That he or she achieved a qualifying score on the Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS) or Michigan English Language Assessment Battery (MELAB)/Michigan Language Institute College English Test (MELICET).
   - Qualifying scores for undergraduate applicants are either a TOEFL computer-based score of 213, a TOEFL internet-based score of 78/80, a TOEFL paper-based score of 550, an IELTS score of 5.5/6, or a MELAB/MELICET score of 78/77. (Consult the Undergraduate Catalog for sub-score requirements and for specific program requirements, which may be higher.)
   - Undergraduate applicants must have a 2.0 GPA on a 4.0 scale as calculated by UWF Office of Undergraduate Admissions.

2. Applicants must submit transcripts evidencing all prior academic course work including post-secondary education. The University requires an official copy of all academic credentials. Transcripts that are not in English must be accompanied by a certified English translation. Transcripts from educational institutions outside the United States must be evaluated by a credential evaluation service, as specified on the international application. (All academic credentials become property of the University. They will not be returned or forwarded to a third party. Credentials of applicants who do not enroll within one year will be destroyed)

3. Applicants must submit a non-refundable application fee payable in U.S. dollars.

4. Applicants must complete and submit the following medical information:
   - i A Physician’s Evaluation Form and a Medical History Form completed by a physician, indicating the applicant’s fitness, mentally and physically to pursue a college level study program.
   - ii Documentation of MMR (measles, mumps and rubella) immunization, and
   - iii Proof of immunization for meningitis and hepatitis B, or a signed waiver indicating the applicant’s informed decision not to be vaccinated.

5. Applicants must provide proof of medical insurance that complies with the requirement of University policy, AC-6.00-08/08 “Medical Insurance Coverage for Enrolled International Students” for all applicants on F-1 or J-1 visas.

6. Applicants must provide a Certification of Finances before the Certificate of Eligibility (Form I-20 or a DS-2019) will be issued by the University. The Certificate of Finances will show specific sources of a satisfactory level of financial support and the amount expected from each source. Funding sources must be verified by the student’s or sponsor’s bank by submitting an original bank statement from the student’s or sponsor’s financial institution. The total funds available to the student for the first academic year must at least equal the total estimates of institutional costs and living expenses. For applicants living outside the U.S., the Declaration and Certification of Finances must be received by the University no later than the application deadline each semester.

7. For transfer students: A completed transfer clearance form is required for F-1 applicants to verify their eligibility to transfer in F-1 status.

8. Undergraduate applicants who have provided all required materials and who meet all admission requirements except the English proficiency requirement may be considered for Conditional Admission to the University. Undergraduate students who receive a Conditional Admission letter who desire to attend
UWF must enroll in the Intensive English Program at UWF. If such students seek to enroll in a degree program, they must meet the requirements set forth in paragraph (4) iv., above.

9. Undergraduate applicants who have provided all required materials and who meet all admission requirements except the English proficiency requirement may be considered for Conditional Admission to the University. Undergraduate students who receive a Conditional Admission letter who desire to attend UWF must enroll in the Intensive English Program at UWF. If such students seek to enroll in a degree program, they must meet the requirements set forth in paragraph (4) iv., above.

10. Applicants will not be considered for admission until the University has received all required materials. Undergraduate international student applications, along with all other records required for admission must be received by the program deadline or university international application deadline, whichever is earlier, unless the deadline is waived by the University in writing.

General Readmission

Readmission to Baccalaureate Programs

Undergraduate students not in attendance at UWF for three or more consecutive academic semesters (including summer semester) must complete the “Application for Readmission” and provide any required documentation amassed during the absence. The Application for Readmission must be filed according to admissions deadlines. The Application for Readmission does not include an application fee. Readmitted students will have their official Catalog year automatically updated for the new term of entry. Undergraduates can use the readmission application to change their major upon readmission only if their UWF grade point average is 2.0 or above.

Degree-seeking students file the readmission application online using the Office of Undergraduate Admissions website: uwf.edu/admissions. Official transcripts from each college or university attended during the absence to the previous enrollment at UWF must be submitted to the Office of Undergraduate Admissions before the first day of classes of the semester for which the student has been readmitted. If a student is currently enrolled at another institution, the final transcript must be submitted when the term has ended. A hold will be placed on the account preventing the student from registering for future semesters until all transcripts are received.

Readmission is not automatic (see Academic Suspension and Reinstatement). Suspended students must be reinstated by the college of their former major before readmission can be completed. Students who subsequently earn an associate of arts degree (A.A.) at another Florida public institution should refer to the A.A. Forgiveness policy section.

Appeal of Admission Denial

Denial of Undergraduate Admission to the University

Undergraduate applicants who are denied admission to the University may appeal the admission decision through the Associate Vice President of Enrollment Affairs. Appeals are encouraged if an applicant believes the decision was inequitable because of some extenuating circumstance or unrevealed data that is now available for consideration. Applicants are requested to consult the Appeal procedures spelled out in the “Freshman Admissions” and “Transfer Admissions” sections for the procedures that were accepted by the University of West Florida Board of Trustees in June 2011.

Denial of Admission to Limited Access Bachelor’s Degree Programs

Applicants who have been denied admission to a limited access bachelor’s degree program at the University may appeal, in writing, to the appropriate college dean by the first day of classes of the semester for which admission was requested.
After Admission

Apply for Financial Aid
Refer to information on Financial Aid (p. 46).

Apply for Housing
Refer to information on Housing (http://uwf.edu/housing).

Apply for Military and Veterans Benefits
Refer to information on Military and Veterans Benefits (p. 48).

Medical History
All students are required to submit a completed and signed Medical History Form to UWF Student Health Services before registration. If the student is underage, the form must be signed by a parent or legal guardian. This form also serves as consent for treatment.

Immunization Requirements
All students, both graduate and undergraduate, are required to meet the immunization requirements listed below prior to registration.

Measles/Mumps and Rubella

1. Requirements: All students born after December 31, 1956 must present documented proof of immunity to Measles (Rubeola) and German Measles (Rubella), in one of the three ways described below:

2. Proof of 2 doses of MMR (Measles/Mumps/Rubella) received at least 28 days apart or 2 doses of Measles and 1 dose of Rubella.
   a. Vaccinations must have been received after your first birthday.
   b. Vaccinations must have been received in 1969 or later.

3. Proof of immunity by way of a positive laboratory test known as a titer (IgG Rubeola titer or IgG Rubella titer). A copy of the lab report which includes the date of the test must be submitted.

4. A written statement from a healthcare provider documenting a diagnosis of Measles (Rubeola). The statement must be on official medical office stationery, include the date of diagnosis, and be signed by a physician. This is only acceptable for a diagnosis of Measles.
   a. Exceptions: Student may apply for an exception to the immunization requirement for Measles/Mumps and Rubella if they meet one of the following criteria and submit the appropriate documentation.
      i Medical Basis - The student must provide a letter from a healthcare provider, signed on official medical stationery, stating the medical reason(s) why the student is not able to receive the Measles/Mumps and/or Rubella vaccine(s), and indicating if this is a temporary or permanent condition.
   ii Religious Basis - The student (or the student's parent/guardian if under 18 years old) must provide a letter stating the student's religious beliefs do not permit him/her to receive vaccinations.
   iii Active Duty Military - Active duty military personnel may complete a Measles/Mumps and Rubella waiver form if documentation of immunizations is unavailable at the time of registration. A copy of the individual's military ID is required with the waiver.
   iv On-Line Students - Students who are enrolled in on-line courses only and who will not be physically present in any UWF campus may complete a Measles/Mumps and Rubella waiver form. Should such students seek to register for a face-to-face course, they must comply with Section IA, above.

Meningitis and Hepatitis B

1. All UWF undergraduate and graduate students, including on-line students must provide documentation of vaccinations against Meningococcal Meningitis and Hepatitis B or complete the Meningitis/Hepatitis Waiver form indicating their informed decision not to be vaccinated for the appropriate declined vaccination. If the student is under the age of 18, the waiver form must be signed by a parent or legal guardian.

2. Students continuously enrolled since June 30, 2008 or before who have not lived in University housing since June 30, 2008 are exempt from this requirement.

Submission of Documentation

1. Immunization forms including waiver forms and other documentation may be presented in person or via mail, fax or email to the University of West Florida, Student Health Services, 11000 University Parkway, Pensacola, FL 32514. The email address is immunizations@uwf.edu and the fax number is (850) 857-6100. If the student is mailing documentation, the student must include his/her name, birth date and UWF ID number. Photocopies are acceptable. Originals will not be returned. If students have questions or need any additional information about these illnesses or the vaccinations, they should visit the Student Health Services’ website at www.uwf.edu/healthservices.

Orientation

The Division of Student Affairs, in collaboration with the Division of Enrollment Affairs, the First Year Advising Center, and various other units of the University provide orientation programs for new students and their parents or legal guardians. New students entering UWF classified as freshmen or first-time-in college are required to attend an orientation prior to registering for classes their first semester. Student orientation programs for freshman students entering in the Fall are scheduled throughout the summer and feature a two-day agenda including academic advising, information on important policies and procedures, and community building activities and events. Freshman students attending the two-day fall orientation program are required to stay overnight in the residence halls. An abbreviated orientation is offered in January and May for first year students entering in Spring and Summer terms respectively. Transfer transition programs are offered in January, May, and throughout the summer for transfer students entering the University. All students entering the University...
will receive information about Transfer Transitions with instructions on how to register for the appropriate program online. Contact the Office of Student Transition Programs at (850) 473-7229 for more information.

**Academic Advising**

Each degree-seeking undergraduate student is assigned to a faculty member to assist in planning academic programs; provide guidance in personal, academic, and professional development; and foster interaction among students and faculty.

The First Year Advising Center provides advising for General Studies requirements to freshman students. The Center also provides a system which alerts freshmen to potential academic problems.

All degree-seeking sophomores, juniors, and seniors are assigned advisors by the department housing the program in which the student is majoring. Sophomore, junior, and senior students should check their SASS audit and contact their major department to obtain the name of their academic advisor.

The Teacher Education Undergraduate Advising Center is the central campus office for all student information relating to teacher education. This office admits students into teacher education programs and into student teaching, distributes certification applications, and makes recommendations for certification.

**MyUWF**

New students may check their admission status through MyUWF at my.uwf.edu. Once admitted, students may also check their financial aid status and register for classes for the first time through MyUWF.

**Register for Classes**

Refer to information on Registration Policies and Procedures (p. 25). A Navigation Guide (http://uwf.edu/registrar/Navigationguide.pdf) to registration is also housed on the Office of the Registrar website.

**Obtain Nautilus Card**

All Pensacola campus students are required to purchase a Nautilus Card. Refer to information on Tuition and Fees (p. 40).

**Obtain Parking Permit**

Parking a vehicle on campus requires a parking permit which may be purchased at the Cashier’s Office, Building 20, or online at uwf.edu/parking.

**Confirm Residency for Tuition Purposes**

Refer to information on Residency (p. 44).

**Pay Tuition and Fees**

Refer to information on Tuition and Fees (p. 40).

**Review Student Rights and Responsibilities**

Review the Student Handbook and Planner for more information on topics below. The Student Handbook and Planner is available both in print and online (http://uwf.edu/studentaffairs/publications.cfm) from the Dean of Students Office.

**Student Code of Conduct**

The University seeks to provide an environment which encourages the thoughtful development of intellectual, social, and moral standards. Student conduct is expected to be lawful, and students are expected to abide by all University regulations and the Student Code of Conduct, as published in the Student Handbook and Planner.

**Grievance**

All students may bring grievances to the attention of University personnel, and they will receive prompt and fair disposition of grievances as outlined in the Student Handbook and Planner.

**Prohibition of Harassment**

Harassment is prohibited, whether on the basis of race, color, sexual orientation, religion, gender, national origin, age, physical disability, marital status, or veteran status. Harassment is defined as conduct which unreasonably interferes with a student’s status or performance by creating an intimidating, hostile, or offensive working or educational environment. Sexual harassment is defined as unwelcome or unsolicited sexual advances, requests for sexual favor, and other verbal or physical conduct of a sexual nature. Guidance, support, and assistance concerning discrimination are available from the Office of Human Resources. Any student believing they have been harassed may bring complaints to the Office of Human Resources.

**Use of Instructional Space and Resources**

University facilities and equipment are intended primarily for the use of the faculty and students currently enrolled in courses of instruction. Students who have completed registration, including the payment of fees for the current semester, and whose names appear on the final class rolls, are authorized to attend classes and to use University instructional areas, facilities, equipment, and designated services. Students, including those continuing work on theses and dissertations, which are not enrolled for the current semester are not authorized to use instructional space and resources. Students may not attend classes, including use of instructional space, facilities, designated library services, and equipment, for which they have not paid fees or from which they have withdrawn.
Undergraduate Academic Policies

In this section:
- General Policies (p. 19)
- Registration Policies and Procedures (p. 25)
- Grades and Academic Credit Policies (p. 30)
- Graduation and General Degree Requirements (p. 34)

General Policies

The Office of the Registrar (http://uwf.edu/registrar) maintains the official academic records of all students and course registrations for currently enrolled students. Students are encouraged to contact the Registrar’s Office with questions concerning academic policies and procedures of their current registration, enrollment, or academic records. Registration dates are published in the Academic Calendar (p. 7).

University Responsibilities

The faculty, administration, and staff share a responsibility to provide accurate information and effective advice. The Division of Enrollment Affairs is responsible for providing students, faculty, and other advising staff with accurate information in the Catalog, Navigation Guide, and other publications.

The academic advisors in the College of Arts and Sciences, College of Business, College of Professional Studies, and the First Year Advising Center are responsible for acting as a resource to provide students with timely and accurate information on University-wide requirements, policies, procedures, and referrals to appropriate services.

College and Department Responsibilities

The dean of each college and chairperson of each department ultimately are responsible for ensuring that academic advice is available and accessible to all students within the college or department.

Student Responsibilities

Students ultimately are responsible for knowing and fulfilling all University, college, and major requirements for graduation. Students should use the SASS audit, Catalog, and other resources for information.

Student Technology and Electronic Mail Requirement

UWF prepares students for current and future business and life applications using basic technology. Each UWF student is expected to do the following:
- Activate a UWF ArgoNet account
- Access the MyUWF (https://my.uwf.edu) web portal a minimum of 2-3 times a week
- Access UWF e-mail account (UWF Gmail) daily
- Have basic word-processing knowledge

Student use of UWF information technology resources is governed by the Computing Resources Usage Agreement and the Student Communications Policy. (See the My Account app in MyUWF). The University uses e-mail for both formal and informal communication with students. Each student, upon enrolling, is issued a UWF email account (Gmail). Students are expected to regularly check their UWF e-mail account for University business and official University communications. UWF accounts remain the property of the University of West Florida. Students should expect that instructors may request assignments be completed on a computer and/or be turned in via email rather than printed. Instructors should ensure that basic assignments can be completed using software packages currently available in MyUWF (https://my.uwf.edu) or eDesktop.

MyUWF (https://my.uwf.edu) is the University’s secure, single entry point for fast and easy access to web-based services. Students may register, withdraw, drop and add classes, view the account balance, view grades, and more through MyUWF (https://my.uwf.edu). Upon enrollment (once a student is registered in a class), each UWF student automatically receives an ArgoNet account. To access MyUWF (https://my.uwf.edu), students must activate their “new user” ArgoNet account from the login screen. Students manage their ArgoNet account and services from My Account in MyUWF (https://my.uwf.edu). Students are responsible for information and actions taken through MyUWF (https://my.uwf.edu) and should not share their password or account information.

Deadline Dates/Academic Calendar

Each student should be aware of the deadline dates in the current official Academic Calendar as published on the UWF Registrar’s website (http://uwf.edu/registrar). The Academic Calendar contains deadline dates for admission applications, changes in residency status, class registrations, fee payments, grade forgiveness options, pass/fail options, course scheduling changes (drop/add), course withdrawals, standardized test registrations, and graduation applications.

Enrollment Definition

Enrollment is defined as consisting of three major components:

Application: Students provide information requested by the University for purposes of establishing and administering academic and financial relationships that exist between the University and its students.

Registration: Students register for courses and provide information needed to assess fees and tuition.

Payment of Fees: Students must pay all assessed tuition and other special fees and satisfy all due and/or delinquent amounts payable to the University.

Students who withdraw will be considered no longer enrolled at the time of withdrawal.

Classification of Students

The classification of a degree-seeking student is based upon the number of semester hours earned. The classifications are the following five:

<table>
<thead>
<tr>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-29 semester hours</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59 semester hours</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89 semester hours</td>
</tr>
</tbody>
</table>
Upper Division Status

The following criteria must be completed to achieve upper-division status: admission to the University, 60 semester hours of academic credits, declaration of a major, General Studies requirements, Gordon Rule requirements, and foreign language requirement.

Non-Degree Seeking Status

The non-degree classification is used only by those students who will not be working toward a degree at UWF. Non-degree students are not assigned an academic advisor. Successful completion of courses in this classification does not provide a basis for admission to degree status. Students who are later admitted as an undergraduate may petition their departments and colleges to accept a maximum of 15 semester hours of non-degree course work to apply toward the degree. Non-degree students are expected to have the appropriate academic background to complete college level course work.

Non-degree students are subject to the student policies stated in the catalog and Student Handbook and Planner. Non-degree students should review the Student Educational Records section to understand privacy information. Course work completed as a non-degree student will be included in the undergraduate or graduate UWF GPA, as determined by the level of the course. International students in F-1 status should consult with the Director of the International Student Office regarding enrollment as a Non-Degree Student.

All Pensacola campus students are required to purchase a Nautilus Card. Parking a vehicle on campus requires a parking decal which may be purchased at the Cashier’s Office. Compliance with the immunization policy is required prior to registration. Contact the Division of Student Affairs (http://uwf.edu/studentaffairs) for information. To be considered for degree status, students must contact the Office of Undergraduate Admissions (http://uwf.edu/admissions) and complete the required application. Returning non-degree students must file a new non-degree student application in the Office of Undergraduate Admissions. The non-degree student registration period begins approximately two weeks prior to the first day of classes for the semester - see Academic Calendar (p. 7) for specific dates.

Once a student is granted undergraduate degree-seeking status, change to non-degree status is not permitted until the baccalaureate degree is earned.

University Honors Program

The UWF Honors Program offers unique living and learning opportunities for students in all majors. In addition to their regular coursework, Honors scholars enroll in special interdisciplinary seminars led by the university’s most accomplished faculty. Honors scholars also undertake, in their senior year, a rigorous thesis project in which they explore a topic of lasting scholarly significance while working closely with a faculty advisor.

Benefits for participation in the program include early registration, small classes (average of 15 students), the option to live in Honors campus housing, admission to the Honors Seminar Series, social and cultural activities, opportunities for study abroad, scholarship opportunities, annotation on the UWF transcript of Honors courses taken, participation in the Honors Commencement Ceremony, and individual recognition by UWF’s President during Commencement exercises. Most importantly, Honors scholars are part of the University’s most vibrant living and learning community that fosters lifelong friendships and intellectual camaraderie among students and faculty alike. Admission to Honors Program is highly competitive. Students must submit an Honors Program Application and a letter of recommendation.

To qualify, entering high school graduates (or early admitted and dual enrolled students) must meet both of the following entrance requirements:

1. Rank in the top 10 percent of their high school graduating class or a cumulative high school GPA of 3.5 or higher
2. An ACT composite score of 26 or higher or have a combined score of 1770 or higher on the SAT

Transfer students must have a minimum transfer GPA of 3.5 and submit an Honors Program Application and a letter of recommendation from their previous institution’s Honor Director or faculty member. For more information, email honors@uwf.edu.

Dual Enrollment Registration (High School and University Credit)

See Freshman Admissions (https://nextcatalog.uwf.edu/undergraduate/admissions/freshmenadmissions) section.

Academic Standing

Good Academic Standing

Students are considered in good academic standing if they are currently enrolled or eligible to re-enroll at UWF.

Academic Probation

The intent of academic probation is to serve formal notice that a student may not be making satisfactory progress. It gives students an opportunity to demonstrate their ability to meet the University’s academic expectations. Students whose cumulative grade point average (GPA) for University of West Florida course work is below the minimum listed below will be placed on academic probation by the student’s college. Calculation of the GPA is described in the grading system section of this catalog.

Minimum GPA required for academic standing:

- 0-15 semester hours, less than 1.60 cumulative GPA
- 16-30 semester hours, less than 1.80 cumulative GPA
- more than 30 semester hours, less than 2.00 cumulative GPA

In addition to satisfying the GPA requirements set forth by the University, students are also responsible for observing the additional academic standards specified by their department or college. Students on probation may apply for a change of major; however, approval is granted by the chairperson of the prospective department. Students should contact the chairperson for guidance.

Academic Suspension

Normally, students are not placed on academic suspension without first being placed on probation for at least one semester. The decision to suspend a student for academic reasons is made by the student’s college. Notification to the student and the Office of the Registrar is
the responsibility of the student’s college. Students under academic suspension may not enroll at UWF.

Students suspended from UWF who subsequently receive an A.A. degree from a Florida public college or state university may be readmitted to UWF upon application for readmission, with earned credit accepted in accordance with University’s policies. See A.A. Degree Forgiveness Policy in the Grades and Academic Credit Policies (p. 30) section.

Reinstatement

Students placed on academic suspension may request reinstatement after being away from the University one semester. The request for reinstatement must be directed to the dean of the college that suspended the student at least two weeks in advance of the first day of classes of the semester for which reinstatement is requested. In addition, students not attending UWF the previous three semesters must file an application for readmission with the Office of Undergraduate Admissions. Students reinstated from suspension may apply for a change of major. Approval is granted by the chairperson of the prospective department.

Non-Degree Students

Non-degree students are subject to the same academic standards and review procedures as students admitted to undergraduate degree programs. See the probation and suspension policies, based on the level of the courses being taken.

Accelerated Bachelor’s to Master’s Programs

The Accelerated Bachelor’s to Master’s (ABM) programs allow high-performing undergraduate students at the University an opportunity to complete the requirements for both the bachelor’s and master’s degrees at an accelerated pace. Undergraduate students in this program may apply up to 12 graduate (5000-6000 level) credit hours towards the completion of both the bachelor’s and master’s degree requirements.

Change of Major or Area of Specialization

Undergraduate students, including lower-division students, must submit a Major Change request in MyUWF (https://my.uwf.edu) to enter a different major. Change of majors should be submitted prior to the end of drop/add for the major to be applicable to that semester.

Program approval is determined by the appropriate department chairperson. Students who change majors have a choice of meeting the major degree requirements listed in the University’s catalog that are in effect at the time of the student’s change of major or at graduation. Students should be aware of admission requirements for limited access and restricted programs. Students on probation and students returning from suspension may request a change of major; however, approval of the change of major is granted by the chairperson of the prospective department. Students should contact the chairperson for guidance.

Dual Major

To graduate with a dual major, students must declare a major in each department and college (as applicable) and be assigned an advisor in each discipline. Upon departmental acceptance, students must complete a Dual Major Designation form (http://uwf.edu/registrar/dual%20majorRegistrar.pdf). When a dual major is requested, the catalog year for both majors will be the current catalog year. A dual major does not require a minimum number of hours beyond those necessary for completing each degree requirement (minimum 120 sh). Requirements for both majors must be completed prior to the degree’s being awarded. After successful completion of all requirements for both majors, students will be awarded one degree (for example, one B.A. or one B.S.) with both majors listed on the diploma and transcript. Students should contact the Registrar’s Office for eligible dual listed degree programs or for additional information.

Minors

A student may declare a minor by submitting the “Declaration of Minor” form available on the Office of the Registrar website. Students seeking a minor must be currently enrolled in an undergraduate major. Undergraduate students may qualify for a minor by meeting specific departmental and/or college requirements. Specific requirements for the minor will be those listed in the academic programs section catalog that is in effect at the time the minor is declared. Students should consult the minor department for questions concerning course requirements. A minimum of 12 semester hours of upper-division work must be completed in the minor, of which nine semester hours must be courses taken at UWF. Students must have a minimum GPA of 2.00 in all UWF courses used in the minor.

Neither diplomas nor certificates are issued for completion of the minor. Minors are awarded in conjunction with the receipt of a baccalaureate degree and are recorded only on the academic transcript. Students must submit a “Completion of Minor” form to the Office of the Registrar with the approval of the minor department for the semester of graduation. The “Application for Graduation” for the bachelor’s degree must be submitted to the Office of the Registrar before the “Application for Completion of a Minor” will be processed. Forms for graduation may be found at the graduation section (http://uwf.edu/registrar/graduinstr.cfm) of the Registrar’s Office website.

Certificate Programs

The University offers a variety of certificate programs to pursue as a stand alone certificate, to complete in conjunction with a bachelor’s degree, or to take for professional development. Requirements are determined by the academic department offering the certificate. Upon approval and notification to the Registrar’s Office from the academic department, awarding of a certificate is listed on the transcript. Actual certificates of recognition may or may not be issued by the academic department. Contact the academic department offering the certificate program for more information, including application procedures. Click here (p. 64) for the listing of certificate programs in this catalog.

Choice of Catalog

Continuously Enrolled Degree-seeking Students

The catalog year for an undergraduate student’s program (General Studies and major curriculum) will be the catalog year in effect at the time of initial enrollment as a degree-seeking student. Those students who do not change their major and who maintain continuous enrollment in the University have the option of following the catalog in effect at the time of initial enrollment as degree-seeking students or the catalog in effect at the time of graduation. Students who elect to change their major have the option of following the catalog in effect at the time of the major change or the catalog in effect at the time of graduation.
Non-continuously Enrolled Degree-seeking and Readmitted Students

Students who do not maintain continuous enrollment and who are readmitted to the University after non-enrollment of three consecutive semesters have the option of following the degree program outlined in the catalog in effect at the time of re-enrollment as degree-seeking students or the catalog in effect at the time of graduation.

Students with an A.A. or General Studies Certification

Students holding the A.A. or certification of the completion of General Studies requirements from a Florida public college or university may elect to complete the degree requirements of UWF that were in effect at the time the student first entered the Florida public college university as a degree-seeking student. Students electing this option must be enrolled at UWF as a degree-seeking student within three years of the date of initial enrollment in the college or university. The transcript of the student granted this option must demonstrate that a four-year plan was made by the inclusion of the appropriate lower-division courses. Students should contact their major department for additional information regarding requirements for their degree program. A combination of catalogs may not be used to fulfill major degree requirements.

Class Attendance

The University expects students to take full responsibility for their academic work and academic progress. To progress satisfactorily, students must meet the requirements of each course for which they are registered. Successful work depends to a large extent on regular class attendance.

Class attendance is regarded as an academic matter. Each faculty member will provide a written attendance policy to each class within the first week of classes. It is the responsibility of students to know the attendance policy of each course they are taking. Students must inform their instructor(s) of absences from classes prior to or as soon as possible after the absence. Instructors have the right to request verification for all excused absences. Students are held accountable for all assignments in each course, whether or not the assignments were announced during an absence. Faculty members are encouraged to provide opportunities for students to make up examinations and other work missed because of an excused absence.

The use of attendance records in grading and handling of any excuses for absences is left to the discretion of the faculty member responsible for the course, subject to the guidelines given below:

- Students will be excused from class to observe religious holidays of their faith. No major test, major class event, or major University activity will be scheduled on a major religious holiday.
- Absences for imposed legal responsibilities (e.g., jury duty, court appearance) will be recognized as excused absences.
- Absences resulting from participation in extracurricular activities in which students are official representatives of the University will be recognized as excused absences.
- Absences for serious illness, death or serious illness within the student's immediate family, military obligations, or other sound reasons offered by the student may be accepted as excused absences.

Reserve/National Guard Duty

To fulfill a reservist or National Guard military obligation of no more than two weeks concurrent with a normal academic semester at UWF, students must receive written permission for such absences from the instructors and departmental chairpersons for each course in which they are enrolled. The approval is not automatic, but is discretionary with the instructors and departmental chairpersons.

Continuous Enrollment

Continuous enrollment is defined as enrollment in the University without a non-enrollment period of three or more consecutive semesters (summer semester included). Credits earned at other institutions during any semester, while not registered at UWF, will not constitute continuous enrollment at UWF.

Student Educational Records

The University of West Florida complies with the Family Educational Rights and Privacy Act (FERPA) and Florida Statute related to the release of student educational records. Student educational records comprise any written information or recorded data maintained by the University, or by an entity acting on behalf of the University, which is directly related to a student who has applied for admission or who is or has been in attendance.

The following is a non-exhaustive list of categories of educational records along with the University custodian who maintains the records:

1. Academic Records (Departmental) – Faculty Chairpersons and Deans.
4. Disciplinary Records – Vice President for Student Affairs.
5. Financial Aid Records – Director, Student Financial Aid.
6. Housing Records – Director, University Housing.
7. Student Activities (including Athletics) – Vice President for Student Affairs.

The following are some categories of records which FERPA defines as not constituting student educational records (for a complete list see 20 U.S.C. s 1232g). These categories of records are not subject to FERPA and UWF regulations:

- Records maintained by individual University personnel which are solely in their possession and are not released to others.
- Records maintained by University police which are for law enforcement purposes.
- Records maintained by University employees which relate solely to the student as an employee and are not available for any other purpose.
- Records maintained by University medical or psychological personnel which are solely for treatment and/or counseling purposes.
- Records maintained by University personnel which contain only information relating to persons after they are no longer students.

FERPA provides certain rights to university students concerning their student educational records. Students are notified annually of their rights in association with the student education records (see Annual Notification of Student Records and Directory Information below).
Change of Student Information

Change of local, permanent, and emergency contact addresses; name; or other information affecting the student’s permanent academic record may be completed by currently enrolled students through MyUWF (https://my.uwf.edu). Forms are also available through the Office of the Registrar (http://uwf.edu/registrar).

Student Photos

Student photos are provided to faculty on electronic class rosters to assist in identifying students, personalizing the class experience, verification of attendance, and other class related issues. Photos are used strictly for educational reasons, are confidential and may not be published or released in any other context.

Death of a Student

In accordance with the Family Educational Rights and Privacy Act (FERPA), the University of West Florida’s policy regarding the disposition of records held pertaining to a deceased student state that the privacy interests of an individual expire with that individual’s death.

Annual Notification of Student Records and Directory Information

The disclosure or publication of student information is governed by the policies of the University of West Florida and the Board of Education within the framework of State and Federal laws, including the Family Educational Rights and Privacy Act of 1974.

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

- The right to inspect and review the student’s education records within 45 days of the day the University receives a request for access. A student should submit to the registrar, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

- The right to request the amendment of the student’s education records that the student believes is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA. A student who wishes to ask the University to amend a record should write the University Official responsible for the record, clearly identifying the part of the record the student wants changed, and specify why it should be changed. If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- The right to provide written consent before the University discloses personally identifiable information from the student’s education records, except to the extent that FERPA authorizes disclosure without consent. The University discloses education records without a student’s prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel, health staff, and student workers); a person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the University. Upon request, the University also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

The university may release records without consent, under the following exceptions:

- “School officials” with a “legitimate educational interest” (need to know); Employees and legal agents have access to education records in order to perform their official, educationally-related duties.
- Disclosure to another institution where student seeks to enroll or is enrolled
- Disclosure to Department of Education, state/local education authorities
- Disclosure in connection with the receipt of financial aid (validating eligibility)
- Disclosure to state/local officials in conjunction with legislative requirements
- Disclosure to organizations conducting studies to improve instruction, or to accrediting organizations
- Disclosure to parents of dependent students (IRS definition)
- To comply with a judicial order or lawfully issued subpoena
- Disclosure for a health/safety emergency
- Disclosure of directory information
- Disciplinary information (Warner Amendment)
- Disclosure to the alleged victim, information from disciplinary proceedings
- Only when found in violation, and only for crimes of violence—release of name, sanction and outcome (public information)
- Disclosure to parents of any student under the age of 21, a violation of federal, state, local or institutional laws/regulations related to substance abuse (Foley Amendment).
- Veterans Administration officials in response to requests related to VA programs
- Representatives of Homeland Security for purposes of the coordinating interagency partnership regulating international (CIPRIS)

Directory Information

Directory information will be released for public records requests, the Campus Directory, and for other requests, unless otherwise specified by the student. The online campus directory is available only internally through MyUWF (https://my.uwf.edu).
Under the provisions of the Family Education Rights and Privacy Act (FERPA), students have the right to withhold disclosure of directory information. The information listed below has been designated by the University as directory information and will be released or published by the University unless the student has submitted a request for “non-release” to the University in writing or via MyUWF (https://my.uwf.edu).

- Name
- Local Address
- Permanent Address
- E-mail address
- Current telephone number
- Major field of study
- Participation in officially recognized activities and sports
- Dates of attendance at UWF
- Degree(s) earned at UWF
- Awards and Honors received (including Dean’s List and President’s List)
- Grade classification (Freshman, Sophomore, Junior, Senior, etc.)

Students may choose to restrict all or a portion of their directory information release through the Privacy section in their MyUWF (https://my.uwf.edu) account. Students who wish to have the privacy flag removed from their permanent academic record must contact the Office of the Registrar in writing or may submit the change on line through MyUWF (https://my.uwf.edu).

Student Right-To-Know Information

In compliance with the Student-Right-To-Know legislation, data is available in the Office of Student Affairs. (850) 474-2384.

Directory–Students, Staff, and Faculty

The University publishes an annual Campus Directory which includes a campus locator and the names, addresses, telephone numbers, and departmental affiliation for faculty, staff, and students. Copies are provided for distribution to the student body, faculty, and staff. Additional copies may be obtained at the Welcome Center, UWF Bookstore, Ticket Office, Cashier’s Office, the Office of the Registrar, and Nautilus Card Office. The electronic directory is available internally through MyUWF (https://my.uwf.edu) for University students, faculty, and staff. Students who are also listed as employees of the University will have work related directory information included in the employee directory regardless of their student privacy status. Students may inform the University in writing if they choose to prevent publication of directory information. Students must indicate privacy through MyUWF (https://my.uwf.edu) or complete and submit a privacy form to the Office of the Registrar by the end of the fall semester’s drop/add period for information to be withheld from the published Directory (see Annual Notification of Student Records and Directory Information).

UWF Academic Misconduct Code

This policy is available on the UWF web sites at uwf.edu/osrr. Students should contact the Dean of Students Office, Building 21, (850) 474-2383 for more information.

Forms of Academic Misconduct

Violations by a student of any of the following actions that constitutes an offense will result in disciplinary action. Fraudulent or deceptive action involving academic matters, including the following:

- Cheating: The unauthorized giving or taking of any information or material on academic work considered in the determination of a grade.
- Plagiarism: The act of representing the ideas, words, creations or work of another as one’s own.
- Bribery: The offering, giving, receiving or soliciting of anything of value to influence a grade.
- Conspiracy: Planning with others to commit any form of academic misconduct.
- Misrepresentation: Any action or omission with intent to deceive a teacher so as to affect a grade.

Grievances

The Student Grievance System is in the Student Handbook and Planner and available on the University of West Florida web site at uwf.edu/osrr.

Students should contact the Dean of Students Office, Building 21, (850) 474-2383 for more information.

Students, who wish to make a grievance, including grade appeals, should review the Student Grievance System in the Rights & Regulations section of the Student Handbook and Planner. The process of handling student non-academic grievances is also detailed in the current issue of the Student Handbook and Planner.

Appeals and Requests for Waivers or Exceptions

An appeal may be filed by a student to request an exception or waiver to a University academic requirement, policy, procedure, or deadline. There are several different levels and types of appeals. All academic appeals should be submitted within six months of the close of academic semester of the appeal.

Academic Appeals

The student must make a reasonable effort to contact the instructor, the department head and the academic dean in an effort to resolve differences before filing an appeal. Listed below are the various types of academic appeals.

Department Level (Academic Department)

Department level academic appeals include requirements for program admission, such as limited access and teacher certification, course substitutions or waivers for department requirements, course prerequisites, and other department level decisions. Students should contact their academic advisor and department chairperson for information on the appeal process. The final appeal is determined by the College Dean.

College Level (Academic College)

College level academic appeals include decisions on probation and suspension actions, waivers or substitutions of college core courses, etc. Students should contact their academic advisor and the college dean for information on this process and required documents.

University Level (University Registrar)

Most academic appeals fall under this category as this applies to those policies that are at the University level, or apply to all students regardless of major or college.

Examples of University academic appeals include (but are not limited to):

- Late or retroactive withdrawals
• Summer hour requirement
• Major GPA requirement
• Semester hours in residence requirement
• Foreign Language requirement

The Academic Appeals Committee hears appeals from students who believe they have an exceptional circumstance or situation that warrants an exception or waiver. The Committee serves on behalf of the Provost to provide a University wide forum and decision making body for academic appeals. The Academic Appeals Committee normally meets biweekly. Appeals must be in writing on the appropriate forms and signed by the academic advisor, department chairperson, and college dean. Forms can be found on the Registrar website, uwf.edu/registrar. Appeals should include any and all appropriate documentation to support the appeal. Students will be notified by e-mail of the outcome of the appeal.

Substitution of Graduation Requirements for Students with Disabilities

Students with documented visual impairments, hearing impairments, motor impairments, or specific learning disabilities may petition for substitution of degree requirements provided such substitutions do not significantly alter the nature of the program in which the student is enrolled. For more information about the University’s degree requirement substitution policy, contact the college dean of the program for major requirements; for General Studies, Gordon Rule, and other graduation requirements, contact the Dean’s Office, College of Arts and Sciences.

General Studies Appeals

The General Studies Committee hears requests for waivers and substitutions of general studies, Gordon Rule, multicultural requirement, or Associate degree requirements. In addition, the General Studies Committee hears all requests for academic waivers or substitutions based on disabilities. Contact: General Studies Committee, attention: Associate Dean of Arts and Sciences.

Registration Appeals

The Registrar’s Office reviews appeals related to grade forgiveness, late registration, and schedule adjustments (drop/add). Contact: University Registrar, Building 18.

Other Appeals

Other appeal processes, including those listed below can be found at the University Appeals Process webpage (http://uwf.edu/appeals).

• Academic probation or suspension appeals (http://uwf.edu/trustees/procedures/documents/UWFREG3.008AcadProbSuspReinst_000.pdf)
• Late class or University withdrawal appeal (http://catalog.uwf.edu/undergraduate/academicpolicies/registration/#withdrawal)
• Waiver of graduation requirement appeal (http://uwf.edu/registration/Waiver%20of%20Grad%20Requirement.pdf)
• Reinstatement after removal for non-payment appeal (http://uwf.edu/registrar/Reinstatement.pdf)
• Fee appeals (http://uwf.edu/registrar/feeappeals.pdf)
• Repeat course surcharge waiver appeal (http://catalog.uwf.edu/undergraduate/academicpolicies/registration/#repeatcoursesurcharge)
• Discrimination, harassment and retaliation complaints (http://uwf.edu/ohr/EEAA/InvestigationProcedure.pdf)
• Financial aid appeals (satisfactory academic progress and other financial aid related appeals) (http://uwf.edu/finaid/appealinfo.cfm)
• Grade appeals (http://catalog.uwf.edu/undergraduate/academicpolicies/grades/#gradeappeal)
• Housing charges appeals (http://uwf.edu/housing/onlineforms/appealchargeform.cfm)
• Housing Cancellation appeals (http://uwf.edu/housing/onlineforms/denialappealform.cfm)
• Library fine appeals (http://libguides.uwf.edu/content.php?pid=232298&sid=2346104)
• Parking fine appeals (http://uwf.edu/parking/appealsprocess.cfm)
• Residency for in-state tuition appeals (http://www.uwf.edu/admissions/residency/res_appeals.cfm)
• Student conduct code appeals (http://uwf.edu/osrr/documents/BOTApprovedStudentCodeofConduct-2010edition.pdf)

Registration Policies and Procedures

The Navigation Guide provides information and instructions for enrollment and online services. Course offering information is available at uwf.edu/registrar.

Degree-seeking students are responsible for arranging appointments with their assigned academic advisors prior to registration. Degree-seeking students who are enrolling for their initial semester at UWF must meet with their advisor prior to registration to discuss degree plans and have the advising hold deleted. Appointments can be made through the advising centers, academic departments, and the Emerald Coast campus. Degree-seeking students have priority for registration and enrollment.

Academic Advising

The University of West Florida is committed to quality academic advising to assist all students in attaining their educational goals. The First Year Advising Center advises all freshmen students upon their first semester of enrollment. All students are encouraged to seek academic advising on a regular basis.

Registration Holds

A registration hold will be placed on the student record for one or more of the following reasons: academic suspension, incomplete admissions documents, financial obligations (parking tickets, library fines, etc.), administrative discipline, failure to comply with the immunization requirements, academic advising, student athlete monitoring, etc. A registration hold must be lifted or deleted prior to registration.

Students are able to view their grades, schedules, holds, and financial aid information in MyUWF (https://my.uwf.edu). Students should contact the appropriate office and arrange for removal of the registration hold to register for classes and to receive official transcripts, grades, and diplomas.
Late Registration

Registration must be initiated prior to the first day of any given term within each semester to avoid the late registration fee. Students who are not registered for at least one class before the first day of the term will be assessed a nonrefundable late registration fee of $100.

Course Load/Maximum Hours Taken Per Semester

A normal enrollment for undergraduates is defined as 15 semester hours per semester. To enroll for more than 18 semester hours in a semester, a student must have the written permission of the academic advisor and the chairperson of the student's major department.

Twelve semester hours is considered full-time for a fall or spring semester and nine semester hours for a summer semester. Students who withdraw are not considered enrolled in the course once the withdrawal has been processed, and enrollment status will be adjusted as of that time.

Certification of Enrollment

The University of West Florida reports enrollment status based on the definitions listed below:

<table>
<thead>
<tr>
<th>Status</th>
<th>Fall/Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full time</td>
<td>12 SH or more</td>
<td>9 SH or more</td>
</tr>
<tr>
<td>Half time</td>
<td>6-11 SH</td>
<td>6-8 SH</td>
</tr>
<tr>
<td>Less than half time</td>
<td>1-5 SH</td>
<td>1-5 SH</td>
</tr>
</tbody>
</table>

Students participating in internships are not automatically considered full-time for the semester of their internship. The number of hours for an internship is based upon the credit hours granted for the internship.

Preparatory Courses

Entering freshmen who have scored below State of Florida's determined minimums on the ACT or SAT exams or the Postsecondary Education Readiness Test (PERT) are required to take preparatory courses at a state or community college in the appropriate areas before they may register at UWF for courses in those areas. Students are responsible for their transportation to and from the state or community college where they plan to complete the preparatory courses. Students must complete preparatory courses prior to or during their first 12 semester hours. Students scoring below the following minimums will be required to take preparatory courses:

<table>
<thead>
<tr>
<th>Test</th>
<th>Math Score</th>
<th>Writing Score</th>
<th>Reading Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT</td>
<td>Math 19</td>
<td>English 18</td>
<td>Reading 18</td>
</tr>
<tr>
<td>SAT</td>
<td>Math 460</td>
<td>Critical 440</td>
<td>Critical 460</td>
</tr>
<tr>
<td>PERT</td>
<td>Math 113</td>
<td>English 99</td>
<td>Reading 104</td>
</tr>
</tbody>
</table>

The student is notified of this requirement by mail prior to orientation and registration. Preparatory courses carry no college credit and do not count toward the 120 semester hours required for graduation. The Office of Undergraduate Admissions must be provided proof of a student’s successful completion of a preparatory course before the student can continue enrollment beyond 12 semester hours at UWF.

Course Prerequisites/Corequisites

Many courses require prerequisites and/or corequisites. These requirements are included in the specific course descriptions. A prerequisite is a course in which credit must be earned prior to enrollment in a specific course. A corequisite is a course that must be taken concurrently with or prior to a specific course. Students must have completed the required prerequisites and register for or have completed corequisites prior to registration for the specific course. It is the student’s responsibility to review prerequisite and corequisite information as stated in the course description. Non-Degree students should contact the academic department for permission to enter any course that requires a prerequisite.

Courses Outside Degree Programs

Unless otherwise stipulated by external accreditation agreements, students whose academic programs require courses in other disciplines shall be given the same access to those courses as students in those majors.

Directed Independent Study

Students who wish to study or do research under the direction of a faculty member for topics or areas not detailed in regularly scheduled courses may make arrangements for such study as a directed independent study. Credit hours and requirements are determined by the director of the study. Registration requires the approval of the faculty member who will supervise the study and the student’s advisor. In the College of Business, all directed independent studies also require the approval of the appropriate department chair. Directed studies are available for approved subject area prefixes and levels and are designated by the last three digits of the course number. For example, ARH 4905 designates a senior level directed independent study in art history.

Undergraduates Enrolling in Graduate Courses

Courses at the 5000 level may apply to either a graduate or undergraduate degree program; however, a student may not receive both graduate and undergraduate credit for the same course, and the course may only be used for one program. Juniors and seniors may enroll for 5000 level courses that will be included in their undergraduate program if they indicate this designation at the time of registration. Except in unusual cases, undergraduate students are restricted to 5000 level courses. Only undergraduate students who have maintained a “B” average in courses numbered 3000 and above are permitted to enroll in graduate courses. For specific course requirements, students should contact the major department and refer to graduate course requirements in the catalog.

A 6000 level course may not be included in an undergraduate program. Students enrolled in a combined bachelor’s and Master’s degree program may apply up to 12 semester of approved graduate courses (5000 or 6000 level) to both the undergraduate and graduate degree program. See the section on Combined Bachelor’s/Master’s Degree Programs in the Graduate Catalog. Undergraduate students who are within 30 semester hours of completing requirements for a bachelor’s degree may enroll for 6000 level courses with the permission of their advisors and course instructors, provided their records indicate they have applied for a graduate program or have been admitted by an academic department to an approved combined bachelor/master’s program. Undergraduate students may register for up to 10 semester hours in graduate courses for graduate credit;
permission must be granted in writing from the appropriate college dean. Graduate level fees are assessed for all graduate level courses regardless of the student’s classification.

**Southern Regional Education Board’s (SREB) Electronic Campus**

The University of West Florida is a participating member of the SREB’s Electronic Campus, which is a marketplace for courses and programs offered by colleges and universities through electronic methods. Over 200 colleges and universities offer courses through SREB Electronic Campus, enabling students across the South to take courses without leaving their hometowns. All courses are offered by accredited colleges and universities in the Southern Regional Education Board states and exceed the Principles of Good Practice developed by the SREB Electronic Campus. Students may access the SREB Electronic Campus through the Internet at electroniccampus.org (http://electroniccampus.org). SREB Electronic Campus member states are Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

**Pass/Fail Grading Option**

At the time of initial registration for each semester (including the drop/add period), degree-seeking undergraduate students may elect to take a course on the pass/fail basis with the approval of the faculty advisor. Non-degree students should contact the Office of the Registrar prior to the end of drop/add period.

The pass/fail option may not be used for any University or departmentally required course. Students should see their advisors for approval of courses to be taken on the pass/fail basis. Courses taken with the pass/fail option may not be used to fulfill General Studies requirements, other University requirements, or to fulfill the student’s intended major requirements. However, the foreign language admission requirement may be taken on the pass/fail option.

No more than six semester hours or two courses (whichever is greater in credit) per degree may be taken on the pass/fail basis. A failed course taken on the pass/fail basis counts as part of the maximum six semester hours and is computed in the GPA. Courses graded only on a satisfactory/unsatisfactory basis are not considered as part of the allowable 6 semester hours of pass/fail.

Students may change from the pass/fail system in any course to the conventional letter grade system before the end of the tenth week of a fall or spring semester (see Academic Dates and Deadlines (p. 7) for summer semester and short term dates). Courses changed from the pass/fail grading system to the conventional letter grade system prior to the published deadline do not count as part of the six semester hours or two courses permitted to be taken on the pass/fail basis.

**Audit Grading**

Students may choose to audit a course at the time of registration through the end of the drop/add period. Instructors are not required to grade work of students auditing a course. No credit is earned for an audit course. Students may change from the audit to the conventional letter grade system on or before the end of the fourth week of a fall or spring semester (see Academic Dates and Deadline (p. 7) for summer semester and short term dates). Students must have the instructors permission to change to an audit after the end of the drop/add period. Out-of-State fees are not assessed for audit courses. Out-of-State students changing from audit to the conventional letter grade system will be assessed out-of-state fees.

**Drop/Add Changes**

Class schedule changes (drop and add) may be processed once a student has initially registered through the end of the scheduled drop/add period. Students may choose to change their class schedules on MyUWF (https://my.uwf.edu) or in writing to the Office of the Registrar. If the drop/add results in an increase in fees, the student must pay the additional fees as assessed by the fee payment due date. Any refunds of fees due to dropping a course prior to the end of the drop/add period will be issued by the Cashier’s Office. Appeals to drop/add period should be addressed to the Office of the Registrar.

**Excess Hours Fee**

Students are required to pay an excess hour surcharge for each credit hour in excess of 120% (students who began enrollment Fall 2009-Summer 2011), 115% (students who began enrollment Fall 2011-Summer 2012), or 110% (students who began enrollment Fall 2012 and later) of the number of credit hours required to complete the baccalaureate degree program in which the students are enrolled. Students whose initial enrollment at any institution of higher education beginning Fall 2009 and later may be assessed excess hour fees if they exceed the number of hours required for the degree program. Students whose initial enrollment in any institution of higher education is prior to Fall 2009 are exempt from excess hours. See tuition and fees (https://nextcatalog.uwf.edu/undergraduate/tuitionandfees) for specific excess hour fee.

The following credit hours are included when calculating:

- All credit hours for courses taken at UWF, including failed courses, courses from which a student withdrawals, and repeated courses.
- All credit hours earned at another institution and accepted for transfer to UWF and applied toward the student’s baccalaureate degree program.

Credit hours earned under the following circumstances are not calculated as excess hours:

- Credit earned through articulated accelerated mechanisms
- Credit hours earned through internship programs
- Credit hours required for certification, re-certification, or certificate programs
- Credit hours in courses from which students must withdraw due to reasons of medical or personal hardship
- Credit hours taken by active-duty military personnel
- Credit hours required to achieve a dual major
- Remedial and English as a second language credit hours
- Credit hours earned in military science courses that are part of the ROTC program

**Repeat Course Surcharge**

Florida public institutions are required to implement a repeat course surcharge for students who take a State-funded undergraduate course for the third time. Students taking the same course for the third time at UWF are subject to an increased matriculation fee of 100% of the cost of instruction. Exceptions may be made for individualized study, courses that are repeated as a requirement of a major (i.e. major requires student enroll multiple times), and courses that are intended as continuing over multiple semesters. The repeat of course work more than two times to increase grade point average or meet minimum
course grade requirements is subject to the surcharge (see Tuition and Fees (p. 40) section). Appeals should be addressed to the Office of the Registrar.

Withdrawal

Cancelation of Registration

Students may cancel registration (drop all courses) by dropping all courses through MyUWF (https://my.uwf.edu) or notifying the Office of the Registrar in writing prior to the last day of drop/add. Students may also drop individual courses through MyUWF (https://my.uwf.edu) before the end of the drop/add period. Students who cancel their registration or drop courses within this time frame are not liable for tuition or fees. The University may cancel the registration of a student whose fees are not paid or who has not received authorized deferred payment status as of the close of the fee payment period. Students are responsible for reviewing registration and account information in MyUWF (https://my.uwf.edu).

Individual Class Withdrawal

After the drop/add period, a student may withdraw from a course while remaining in other course(s) through approximately the tenth week of instruction of any fall or spring semester*. A grade of ‘W’ will be assigned during this period. Students may process withdrawals online through the “Withdrawal” link in MyUWF (https://my.uwf.edu). Students also have the option of submitting a withdrawal form to the Office of the Registrar, building 18, on the Pensacola campus or at the UWF Emerald Coast - Fort Walton Beach.

Students are encouraged to consult with their advisor prior to withdrawing from classes and to contact the Office of Financial Aid and the Cashier’s Office for questions regarding fee liability or financial aid awards. Students who withdraw are not enrolled in the class as of the close of the fee payment period. Students are responsible for reviewing registration and account information in MyUWF (https://my.uwf.edu).

Withdraw from All Courses (University withdrawal)

Currently enrolled students may withdraw through MyUWF (https://my.uwf.edu). Students withdrawing from all courses prior to the end of the 4th week* of a full semester will receive a grade of “WR” (partial refund). A grade of “WR” is not computed in the UWF GPA.

Students withdrawing from all courses after the fourth week through the end of the tenth week of any fall or spring semester will receive a grade of “W” in each course*. Students withdrawing after the designated automatic “W” deadline through the last day of instruction will be assigned a grade of “W” or “WF” at the discretion of the course instructor(s). Grades of “WF” are computed in the UWF GPA. Withdrawal from all courses does not prevent registration for future terms. Students who do not officially withdraw will be assigned a standard letter grade reflective of the performance in the course. See Late Withdrawal Policy below.

Medical Withdrawals

To qualify for a medical withdrawal, the student is required to complete and submit the Medical Withdrawal Form with supporting documentation to the Dean of Students office (DSO), Building 21/Room 130. Medical documentation is needed from a physician, counselor, or other licensed health care provider and should include: the date(s) of treatment, the nature of the illness/injury; indicate whether the illness or injury is severe enough to necessitate a withdrawal for the current or prior semester.

The DSO will review the documentation and determine whether the criteria for a medical withdrawal have been met. The student will receive email notification once the decision has been made. The medical withdrawal process normally takes 10 to 14 working days.

Questions regarding the medical withdrawal process may be directed to the Dean of Students office or the Office of the Registrar.

Withdrawals for Active Duty Military Service

In the case of a student called to active duty military service or change of orders due to military conflict within the semester, the student must contact the Office of the Registrar and provide a copy of military orders. Upon receipt of orders, students will have the option of withdrawing with a complete refund, withdrawal with a grade of “W”, or accepting incomplete grades to allow the student to complete the courses at a later date. Students will be asked to notify the University of the desired option. The transcripts of students who have contacted the Office of the Registrar as stated above and are subsequently withdrawn, awarded refunds, or given incomplete grades will be annotated with appropriate statement indicating action taken was due to military active duty service.

Late Withdrawal Policy

A request for a late withdrawal (individual class or university, past the published deadlines) is considered an appeal for a waiver of a university policy or regulation and must be reviewed by the Academic Appeals Committee. Final authority for waivers of academic university regulations rests with the Academic Appeals Committee. The Office of the Registrar reports the Committee’s decision and has no authority to influence any decision.

Late withdrawals may be approved only for the following reasons (which must be documented):

1. A death in the immediate family
2. Serious illness of an immediate family member
3. A situation deemed similar to categories 1 and 2 by all in the approval process
4. Withdrawal due to Military Service (Florida Statute 1004.07)
5. National Guard Troops Ordered into Active Service (Florida Statute 250.482)

Students who are requesting a late withdrawal must submit the following in order for the appeal to be considered by the Academic Appeals Committee:

- Appeal for a Late Class or University Withdrawal (http://uwf.edu/registrar/latewithdrawal.pdf) form which must include the recommendations (in order) of the advisor, instructor, and department chairperson of the course. If the instructor is no longer at UWF, the department chairperson can sign for the instructor. A separate form is required for each course in the semester for University Withdrawals.
• A one-page typed statement fully explaining the reasons for the appeal; the statement should include the course of events in chronological order with dates specified, what prevented your academic success in the course, and why you did not withdraw by the withdrawal deadline.

• Documentation which supports your reasons to appeal:
  • All documentation is subject to verification.
  • Medical documentation should be submitted from a health care provider, psychologist, or counselor on official letterhead. The documentation should include the nature and duration of the illness/personal problems during the semester in question, the dates of services provided, and the provider’s signature.
  • Documentation of a death would include a death certificate or obituary stating the relationship of the deceased to the student.
  • Appeals will not be considered without documentation.

Appeals for Fee Refunds
Fees for courses taken at the University during the term are non-refundable. Specific deadlines for tuition and fees are published each semester in the Academic Calendar (p. 7). Final exams are listed on students’ registration schedules and may be viewed on MyUWF (https://my.uwf.edu). Final examinations may be scheduled on Saturday.

State Employee Tuition Fee Waiver
State of Florida employees classified as permanent full-time employees may be allowed to register on a space-available basis at the University for a maximum of six semester hours of tuition-free courses per semester. Effective Fall 2013, the following fees, where assessed, will not be covered by the state employee waiver:
• Online Fee
• Transportation Access Fee
• Material & Supply Fee
• Equipment Fee
• Lab Fee.

See tuition and fees (https://nextcatalog.uwf.edu/undergraduate/tuitionandfees) for specific amounts. Students will be responsible for the payment of these fees by the designated fee payment date. Admission, readmission, and registration information may be obtained by contacting either the Office of Undergraduate Admissions or the Office of the Registrar. Students using the state employee fee waiver may register beginning the first day of classes (drop/add period). Late registration fees will be waived by the Registrar’s Office when the waiver form is submitted. Since registration is on a space available basis, waivers will not be applied to any course for which the student is registered prior to the first day of classes. Permission to enter a closed class is not permitted for state employee registrations. State employees attending the Pensacola campus are required to purchase a Nautilus Card and parking decal. Waivers may not be used for the following types of courses:
• Directed independent studies
• Internships
• Theses
• Dissertations
• Practicums
• Music & theatre performance courses
• Non-credit (audit) courses
• Continuing education courses
• Sponsored credit courses
• Non-fundable courses
• Any one-on-one course situations

State employee waiver forms must be submitted to the Office of the Registrar no later than the close of the drop/add period. It is the responsibility of the employee to ensure that the waiver form includes the appropriate courses for which a student is registered. When necessary, the student must contact the employing agency for a corrected or a supplemental waiver form for courses not included on the original waiver form. It is suggested that alternate courses be included on the original waiver form in case an employee may not be able to register for one or more requested courses. The waiver form will not be processed if a state employee pre-registers and then submits a waiver form for the pre-registered course(s) after the fact. Specific details and forms are available at uwf.edu/registrar/stateemployee.cfm.
Senior Citizen Tuition Fee Waiver

U.S. citizens, permanent resident aliens, or legal aliens granted indefinite stay by INS, who are 60 years old or older and who meet the Florida residency for tuition purposes may enroll in courses under the State of Florida's Senior Citizen Tuition Fee Waiver program. A Florida "resident for tuition purposes" is a person who has established and maintained legal residency in Florida for the previous twelve-month period. Courses taken by senior citizens under the Senior Citizen Tuition Fee Waiver are on an audit basis. No academic credit shall be awarded for attendance in classes for which fees are waived. Waiver of fees is not authorized for the following kinds of courses:

- Directed independent studies
- Internships
- Theses
- Dissertations
- Practicums
- Music & theatre performance courses
- Non-credit (audit) courses
- Continuing education courses
- Sponsored credit courses
- Non-fundable courses
- Any one-on-one course situations

The free course benefit may be used on a space available basis only. Students may not pre-register for courses for which they plan to use a Senior Citizen Tuition Fee Waiver. The waiver form will not be processed if a senior citizen pre-registers and then submits a Senior Citizen Tuition Fee Waiver Form for the pre-registered course(s) after the fact. Students attending classes on the Pensacola campus must purchase a Nautilus Card and parking decal. Students should contact the Office of the Registrar or visit uwf.edu/registrar/senior.cfm for detailed information.

Transient Student

The Transient Student Application is available online through FLVC.org (http://catalog.uwf.edu/undergraduate/academicpolicies/registration/www.FLVC.org). It is designed for degree-seeking UWF students who have permission to enroll in courses at another Florida Public University or College. A student under academic suspension is not eligible to submit a transient student application. Transient students may need to complete and submit additional information such as an application or transcripts prior to registration. Contact the institution at which you intend to enroll in courses for institutional policies regarding transient students. UWF students should consult with their advisors prior to enrolling in any courses at other institutions. Courses completed as a transient student are evaluated as transfer courses upon receipt of an official transcript. An online tutorial is available to students for assistance through the process: UWF Student Tutorial for Transient Student Application Process. (http://catalog.uwf.edu/undergraduate/academicpolicies/registration/Florida_Virtual_Campus_Student_Procedures.pdf)

Students enrolled in a degree program at another institution may register for courses at UWF as non-degree students. Students registering as transient students who are attending Florida public colleges and universities are encouraged to submit a "Transient Student" application via FLVC.org (http://catalog.uwf.edu/undergraduate/academicpolicies/registration/www.FLVC.org) indicating approval of course work to be taken at UWF. Transient students are not eligible to receive financial aid from the University of West Florida. A student under academic suspension is not eligible to submit a transient student application. It is the student's responsibility to request official transcripts be sent to the parent institution. For further information, contact the Office of the Registrar. Transient students are not permitted to register until the non-degree student registration period. See Academic Dates and Deadlines (p. 7) for specific dates.

UWF students enrolling in courses at another institution through a consortium agreement should contact the UWF Financial Aid Office for additional information. Students are responsible for having official transcripts sent to UWF upon completion of coursework.

International Student Exchange Programs

Students may participate in a variety of international learning experiences. Information about international exchange programs is available through the Office of Diversity and International Education and Programs. Further information is available at uwf.edu/intered.

Grades and Academic Credit Policies

Grading System

Grades will be reported in the following manner:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Outstanding</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>Outstanding</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>Above average</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>Above average</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>Above average</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>Average</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.0</td>
</tr>
<tr>
<td>C-</td>
<td>Average</td>
<td>1.7</td>
</tr>
<tr>
<td>D+</td>
<td>Below average</td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>Below average</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.0</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>0.0</td>
</tr>
<tr>
<td>WR</td>
<td>Withdrawal with partial refund of fees</td>
<td>**</td>
</tr>
<tr>
<td>TR</td>
<td>Withdrawal with full refund</td>
<td>**</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>**</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawal/failing</td>
<td>0.0</td>
</tr>
<tr>
<td>X</td>
<td>Audit</td>
<td>**</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>**</td>
</tr>
<tr>
<td>I*</td>
<td>Grade Not Reported</td>
<td>**</td>
</tr>
<tr>
<td>G</td>
<td>Deferred (Thesis/Dissertation only)</td>
<td>**</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>**</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>**</td>
</tr>
<tr>
<td>*</td>
<td>Withdrawal (W or WF)</td>
<td>**</td>
</tr>
<tr>
<td>**</td>
<td>Grade not included when computing the GPA.</td>
<td></td>
</tr>
</tbody>
</table>

Student teaching, practica, and special courses are graded as satisfactory or unsatisfactory ("S" or "U"). Other courses at the
undergraduate level may be taken under a pass or fail ("P" or "F") option.

In computation of the required grade point average (GPA) for retention and conferral of a degree, the total number of quality points (grade points times course semester hours) is divided by the total number of semester hours for which letter grades are received (see the Grading System for grade points). All regulations tied to a specific grade average should be interpreted to mean the numerical average associated with that specific grade. Hence, the required “C average or better” is interpreted as “2.0 average or better.”

Course work completed in any student classification (including non-degree) will be included in the undergraduate or graduate GPA as determined by the level of the course.

Honor Rolls

President’s Honor Roll

Students who earn a semester GPA of 3.90 or higher on a minimum of six semester hours of graded A-F course work at UWF are recognized on the President’s Honor Roll for that semester.

Dean’s Honor Roll

Students who earn a semester GPA of 3.50-3.89 on a minimum of six semester hours of graded A-F course work at UWF in any semester are recognized on the Dean’s Honor Roll for that semester.

Other Honors

Several colleges and departments of the University recognize meritorious achievement in appropriate ways.

Pass/Fail Grading Option

See Registration Policies and Procedures (p. 25).

Audit Grading

See Registration Policies and Procedures (p. 25).

Grade Changes

Students graduating from UWF having earned a letter grade of “F, D, D +, C-, C, C+, B-, B, B+, A-, or A” may not have a grade changed for a course that was taken and completed prior to graduation.

Repeated Courses

A student may receive credit for a course only once regardless of how many times it is taken in transfer or at UWF. All attempts at UWF count in the GPA unless grade forgiveness is used (see Grade Forgiveness Policy). Credit for a course may only be received for the most recent attempt.

Grades of Incomplete

An incomplete (“I”) grade signifies that all course requirements have not been met. If circumstances exist beyond the control of the student, as determined by the instructor, the following applies:

• The instructor may assign a grade of “I,” provided the student has satisfactorily completed at least 70 percent of the course requirements and the student has a grade of at least C– or S (satisfactory) in coursework up to that point in time. Students who receive an involuntary call to active military duty should consult with their instructors.

• The “I” becomes an “F” at the end of the next regular semester (summer excluded) unless the grade is changed by the instructor to a letter grade “A-F.” The student is responsible for contacting the department for a grade change or extension prior to the end of the last instructional day of that semester. Instructors may approve extensions only for extenuating circumstances and only for a maximum of 12 months.

• Students receiving grades of incomplete should NOT re-register for courses in which an “I” has been assigned.

• When assigning an incomplete grade “I,” instructors should complete a “Report on Assignment of Incomplete Grade.” This will assist students in understanding the requirements for completing a course, and it will provide necessary information in the event the instructor is not available to monitor the completion of the requirements.

• An “I” grade will be converted to a “F” grade upon graduation if no other grade is submitted. Students may not graduate with an outstanding “I” grade. Graduated students having an “I,” which was converted to an automatic “F” or other incomplete grade for a course, may have the grade changed to a letter grade within one year after receiving a degree. To change the grade, the student must complete the required work, and the course instructor must submit the appropriate grade change form via the chairperson and the dean. For the purposes of honors designation, the grade change that replaces an incomplete grade subsequent to a student’s receiving a degree will not change the student’s baccalaureate honors associated with the degree. The student’s transcript will be annotated to show that the course requirements were completed after graduation.

Grade Forgiveness Policy

All grades will remain on the student’s official transcript. The original course grade will be annotated to indicate that the course has subsequently been repeated, and the repeat course grade will be annotated with the transcript containing explanations the course was repeated. The original grade will not be computed in the GPA or course hours included in hours earned except in a case in which the student withdraws from the repeated course or takes an incomplete grade. A completed “Grade Forgiveness Request” form must be submitted to the Office of the Registrar no later than the last day of the term of the semester in which the course is repeated. If a Grade Forgiveness Form is submitted prior to the last day of the term of the semester in which the course is repeated the student may ask to have the Grade Forgiveness Request rescinded by contacting the Registrar’s Office. The deadline to have a request for Grade Forgiveness rescinded is the last day of the term of the semester in which the course is repeated. Forms are available from the Office of the Registrar.

Students who may apply for grade forgiveness

Grade forgiveness is restricted to undergraduate degree-seeking students in undergraduate courses. Grade forgiveness is limited to courses (4 semester hours or less) numbered 1000-4999, in which grades are recorded on an “A-F” scale, including a “WF.” A student who has earned a letter grade “A-F” by proficiency exam may not repeat the course under the grade forgiveness policy. The grade forgiveness option may not be exercised to remove a grade awarded in a case of academic misconduct. Once a bachelor’s degree has been awarded by UWF, a student may not repeat a course and forgive the original grade for a course taken prior to graduation.
Opportunities for grade forgiveness

Beginning freshmen students are allowed two opportunities for grade forgiveness during their undergraduate program. Students who are admitted and enroll as a first-time in college (FTIC) student (classification may be other than freshman) are also eligible for two opportunities. Transfer students are permitted one opportunity to apply for grade forgiveness. Contact the Office of Undergraduate Admissions for information on status.

Restrictions

If a course has been taken more than one time prior to the application for forgiveness, forgiveness can be used to replace only the most recently awarded grade. Therefore, the grade forgiveness policy is not retroactive and will not retroactively alter any previous academic action. For example, a probation or disqualification status will not be removed from the records of the semester in which the student originally took the course.

A student may not use the UWF grade forgiveness option with a course from another institution.

To apply the grade forgiveness policy for all students, the second attempt at the course must have been taken subsequent to the Fall Semester 1986. For the second option for grade forgiveness for beginning freshman students, the second attempt must be the Fall Semester 1996 or later.

Unusual circumstances

Under unusual circumstances, a different but similar course may be used if the substitute course is approved by the student’s college dean.

Attempts

If a student withdraws from a course repeated under the grade forgiveness policy, the attempt will count as an allowable attempt. However, the original grade will not be replaced with the “W” or “WF” received in the repeat attempt.

Students under the G.I. Bill

G.I. Bill students and others receiving Veterans Administration educational benefits are advised that the forgiveness of any grade other than an unsatisfactory grade must be reported to the V.A. and may result in the retroactive reduction of benefits for the semester for which the forgiven grade was originally assigned. An unsatisfactory grade may be forgiven without similar consequences. Notify the Office of Veterans Services when utilizing the forgiveness option.

A. A. Degree Forgiveness Policy

Students who previously attended UWF, whether as degree-seeking or non-degree who subsequently earn an Associate of Arts (A.A.) degree at another Florida public institution, have the following options. To be eligible for this policy, the student must transfer directly from the A.A. degree granting institution to UWF. All adjusted courses will remain on the transcript but they will not be calculated into the UWF GPA.

All credit earned at UWF prior to earning the A.A. degree at another Florida public institution will be excluded from the number of hours earned towards a baccalaureate degree and from all calculations of the UWF GPA. The official academic record will reflect 60 semester hours of credit awarded and completion of the General Studies and Gordon Rule requirements in accordance with the State Articulation Agreement. The UWF GPA will include only those courses completed from this point forward and the student will be in good academic standing.

Credit, status, and GPA earned at UWF will remain the same. The transferable credit will be added to the total number of hours applicable to a baccalaureate degree and the A.A. degree will be posted. The student record will reflect completion of the General Studies and Gordon Rule requirements.

Grade Appeal

Students should consult the Student Handbook and Planner website at the following for information regarding a grade appeal process: Grade Appeals Form (http://uwf.edu/appeals/documents/gradeappeal.pdf). Grade appeals for courses cross-listed with another department within another college will be heard through the college that houses the department, regardless of the departmental affiliation of the faculty member teaching the course.

Age of Credit

Undergraduate credits which are more than ten years old may be reviewed and reevaluated for credit toward current degree requirements at UWF. Specific programs and teacher education programs may have more stringent requirements.

Transfer Credit

Level of Transferred Courses

Courses from regionally accredited institutions with appropriate grades are acceptable for transfer credit and will be transferred at the level that the course was classified by the institution granting the credit.

Transfer Grades

A P grade in a transferred pass/fail course may be used to satisfy General Studies and Gordon Rule requirements if there is documentation provided by the student that the P was equal to a grade of C (2.0 on a 4.0 scale) or higher or if pass/fail was the only grading system available for the transferred course.

Transfer Credit

Transfer credit is normally allowed for courses completed at or through other regionally accredited institutions of higher learning. No credit, however, is allowed for technical, vocational, or pre-college courses. Credits earned from Florida public institutions will be evaluated on the basis of the Florida Statewide Course Numbering System. Those courses considered equivalent will be accepted for transfer credit at the level at which the course was classified by the institution originally awarding the credit. Courses are considered equivalent when the prefix and the last three numerical digits of the course number are the same. Courses not considered equivalent may be accepted for transfer credit at the discretion of the departmental chairperson. All grades earned at other regionally accredited institutions are entered on a student’s record at the time of transfer exactly as earned. Such grades are averaged separately from grades earned at UWF and are not considered in the UWF GPA. Transfer grades are used in determining baccalaureate honors. Transfer courses appear on the UWF transcript. The University accepts the A.A. from Florida public institutions at face value. College work completed with satisfactory grades by a student at a regionally accredited institution of higher learning prior to graduation from high school will be considered under the same guidelines as other transfer work. The Office of Undergraduate Admissions must be provided an official transcript of such work.
Transfer of Credit for Matriculated Students

UWF degree-seeking students completing course work at other institutions should complete and submit the Transient Student Form (http://uwf.edu/registrar/tsf.cfm). Completion requires that the student:

- Obtain permission of the major advisor prior to enrollment at another institution;
- Consult with the Director of the First Year Advising Center if completing the UWF General Studies requirements;
- Obtain certification from the Office of the Registrar for residency and degree status for students taking courses at a Florida public college or university. The determination of specific course requirements (Gordon Rule, General Studies, etc.) will be made upon receipt of the official transcript. The major department will determine course equivalency for courses in the major.

Non-Traditional Credit

The University recognizes the following programs for which undergraduate students may receive academic credit. A combined total of 60 semester hours, of which not more than 20 semester hours may be upper-division credit, may be accepted for transfer. Credit toward major requirements must be approved by the student’s major department. Categories and maximum acceptable limits are as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Placement Program (AP)</td>
<td>30 sh</td>
</tr>
<tr>
<td>Cambridge Advanced International Certificate of Education (AICE)</td>
<td>30 sh</td>
</tr>
<tr>
<td>College Level Examination Program (CLEP)</td>
<td>30 sh</td>
</tr>
<tr>
<td>Correspondence/extended learning</td>
<td>30 sh</td>
</tr>
<tr>
<td>Departmental proficiency examination</td>
<td>30 sh</td>
</tr>
<tr>
<td>International Baccalaureate program (IB)</td>
<td>30 sh</td>
</tr>
<tr>
<td>Military service schools</td>
<td>30 sh</td>
</tr>
<tr>
<td>Proficiency examination program</td>
<td>30 sh</td>
</tr>
<tr>
<td>USAFI/DANTES credit</td>
<td>30 sh</td>
</tr>
</tbody>
</table>

Acceptability of University credit from all sources will be determined by the Office of Undergraduate Admissions. Specific credit amounts and UWF course equivalents can be found at: uwf.edu/admissions/future_students/ftic/alt_credits/index.cfm. Students receive appropriate credit provided they have not attempted comparable credit at the college level in the appropriate general education area or in the specific discipline. No credit will be awarded for a subject matter examination if the student has already earned any course credit in the subject area.

Dual credit on CLEP is not allowed for similar examinations. For example, a student may earn credit on the CLEP general examination in English composition or on the subject matter examination in English composition, but not on both. Likewise, as student may earn credit for college algebra or on college algebra/trigonometry, but not both. In accordance with the articulation agreement and because CLEP credit is regarded in the same category as transfer credit, students who have earned CLEP credit in partial fulfillment of the requirements for the A.A. from a Florida public institution will be awarded credit on the basis of their presentation of the A.A. The University of West Florida will not evaluate individually the credits on which the A.A. degree is based.

Transfer students who have completed a General Studies program at a Florida public institution and whose transcript is so marked will be considered to have completed the General Studies requirements at UWF. A second evaluation of CLEP credits will not be undertaken at this University. CLEP credits for transfer students other than those identified in the above sections will be awarded according to the guidelines stipulated by the Florida Administrative Code. Contact the Office of Undergraduate Admissions (http://uwf.edu/admissions) for detailed information.

Correspondence Study

Students who anticipate taking correspondence courses should discuss these plans with their faculty advisor. Information regarding correspondence courses offered for the Florida public universities may be obtained by writing to Department of Independent Study, 2209 NW 13th Street, Suite D, Gainesville, Florida 32609-3498. Other contact information is as follows: (352) 392-1711, x. 200; learn@dce.ufl.edu; or correspondencestudy.ufl.edu (http://correspondencestudy.ufl.edu).

It is the student’s responsibility to have an official transcript forwarded to the Office of Undergraduate Admissions.

Credit by Proficiency Examination

Degree-seeking Students

Students currently enrolled in the University as undergraduate degree candidates may request permission to take an examination for course credit. Each academic department may determine if a specific course is eligible for proficiency credit based on the content, material and subject matter. No fees will be assessed. Students should contact the chairperson of the appropriate department to make arrangements for an examination to be given. The grade for the proficiency exam will be submitted to the Office of the Registrar. Grades will be recorded and UWF’s grading system and policies will be applied. Proficiency exams may be taken on the pass/fail basis and all other pass/fail regulations apply. A student who previously attempted a course or is currently enrolled in a course may not use the credit by proficiency examination option for that course. Students may attempt to earn credit by examination in a specific course only once, regardless of whether the examination is passed or failed. Students who have earned a letter grade A-F in a course may not challenge the course by examination under the forgiveness policy. A total of 30 semester hours of credit by examination may be applied to an undergraduate degree.

Non-degree-seeking Students

Non-degree students who possess a bachelor’s degree or higher, are participating in an approved teacher education program, and demonstrate significant teaching experience may take one or two courses amounting to no more than nine semester hours of their course work through the credit-by-examination option. Students must be enrolled in UWF at the time the exam is given. All other policies related to proficiency exams as stated for degree-seeking students apply.

Access to Grades

Currently, enrolled students may access their grades after 2:00 pm the day grades are due (see Academic Calendar (p. 7)) via MyUWF (https://my.uwf.edu). Contact the Office of the Registrar for more
information. Grade mailers will be mailed upon request and may be ordered through MyUWF (https://my.uwf.edu).

**Transcripts**

Official transcripts may be ordered via the web, by telephone, by mail, or in person. There is a fee for each official transcript. The University does not accept facsimile requests for transcripts. Students may obtain an official transcript at no charge through MyUWF (https://my.uwf.edu) or LightHouse. Refer to uwf.edu/registrar under transcripts for additional information and instructions for ordering a transcript. UWF transcripts include all course work taken at UWF, degrees awarded, and accepted transfer credit (institutions, courses, and grades). UWF transcripts only list UWF’s grade point averages.

Students may also elect to suppress specific information that is normally reflected on the academic transcript. Beginning in fall, 1993, the University began listing all transfer courses on the UWF transcript. Students may elect to suppress their date of birth, transfer work, or a combination of both from appearing on the UWF transcript. The student must indicate this “option” at the time a transcript is requested. Summary information (the number of hours transferred) will remain on all the transcripts. Each time students request transcripts they must indicate on the request the information which should be suppressed. The following statement will appear at the end of the transcript for students who select the option of suppressing transfer credit: “This student has requested that this transcript includes only course work taken at UWF.” Options for suppression of information are available only for hard copy transcripts and are not available for electronic (FASTER formatted) transcripts used in the State of Florida.

**Graduation and General Degree Requirements**

**Bachelor’s Degree Requirements**

Requirements for a bachelor’s degree from UWF are listed below. The colleges and departments may have requirements which exceed these minimums. Students should refer to their SASS audits to review degree requirements. The SASS audit must indicate all requirements have been completed. Please consult the individual departments for details. Minimum requirements are:

- 120 semester hours in an approved program
- UWF cumulative 2.00 GPA with a major GPA of 2.00 (departments may set a minimum grade requirement in each course and limited access programs may require higher minimum major GPAs)
- 48 semester hours in upper-level course work
- 25% of degree program credits must be earned at UWF
- The last 30 semester hours of credit for a degree must be earned at UWF
- 24 semester hours of upper-level work in the major field with a minimum of 18 upper-level semester hours in the major field at UWF
- Fulfillment of Gordon Rule
- Completion of all General Studies requirements
- Completion of all program specific lower division common prerequisites
- Completion of admissions foreign language requirement
- Completion of multicultural requirement
- Nine hours of summer semester enrollment at an SUS institution (students who entered UWF with less than 60 semester hours)
- A degree will not be awarded for a student on academic probation or suspension
- Admitted and enrolled at UWF in a degree-seeking status for a minimum of one semester in the degree program for which a degree is awarded
- Admitted and enrolled at UWF in a degree-seeking status within the last five years of the date the degree is awarded. Students should contact their major department to determine the minimum of hours and courses in which to enroll. Students who need to be readmitted will be required to meet the degree requirements of the current catalog.

**Additional Bachelor’s Degrees**

Students holding a bachelor’s degree from any regionally accredited institution, including UWF, may qualify for additional bachelor’s degrees by completing the following requirements:

- 30 semester hours at UWF in an undergraduate degree-seeking program after the previous bachelor’s degree has been awarded. Students who have earned a bachelor’s degree, even if the degree is awarded by UWF, must go on to complete 30 additional semester hours (regardless of the number of semester hours required to complete requirements for the new major) in order to be eligible for the additional bachelor’s degree;
- Meet all departmental requirements for the additional bachelor’s degree;
- A degree will not be awarded for a student on academic probation or suspension;
- Admitted and enrolled at UWF in a degree-seeking status for a minimum of one semester in the degree program for which a degree is awarded;
- Admitted and enrolled at UWF in a degree-seeking status within the last five years of the date the degree is awarded. Students should contact their major department to determine the minimum of hours and courses in which to enroll. Students who need to be readmitted will be required to meet the degree requirements of the current catalog.

Students earning UWF bachelor’s degrees may work on two programs simultaneously and receive two degrees in the same semester. In addition to meeting the requirements listed for the bachelor’s degrees, these students must do the following:

- Submit “Declaration of Additional Bachelor’s Degree” form available on the Office of the Registrar website
- Complete all department and University requirements
- Complete a minimum of 150 semester hours
- Complete a “Graduation Application” for each degree. (Two separate applications submitted for same semester)

Refer to General Academic Policies (p. 19) for information on dual majors (one degree with two majors). Degrees must be awarded in the same semester.

**Associate of Arts Degree Requirements**

The A.A. degree is available to students who have done the following:

- Satisfied the requirements of UWF’s General Studies requirements
- Completed at least 60 semester hours of course work
• Completed at least 30 semester hours of those 60 semester hours in residence at UWF. Eighteen semester hours of the 30 semester hours in residence must be taken from the list of UWF General Studies courses (contact the First Year Advising Center for details)
• Fulfilled the requirements of the Gordon Rule
• A UWF cumulative GPA of at least 2.00
• Completed the admissions foreign language requirement
• A degree will not be awarded for a student on academic probation or suspension
• Admitted and enrolled at UWF in a degree-seeking status within the last five years of the date the degree is awarded. Students should contact the First Year Advising Center to determine the minimum of hours and courses in which to enroll. Students who need to be readmitted will be required to meet the degree requirements of the current catalog.

Students who meet these requirements do not automatically receive the A.A. degree. Students must apply for the degree in the First Year Advising Center (see Academic Calendar (p. 7) for submission deadlines). The A.A. degree will not be awarded in the same semester that the baccalaureate degree is awarded or in any semester following the completion of the baccalaureate degree.

**Posthumous Baccalaureate Degree**

To be considered for a posthumous degree, generally undergraduate students shall have successfully completed at least eighty percent of the chosen UWF degree program, be in good standing at the University of West Florida, and have met the University of West Florida degree residency requirements. The student’s academic department must initiate the request for a posthumous degree through the Provost’s Office.

**Baccalaureate Honors**

The University will confer baccalaureate honors recognition on those students who have earned:

- At least 40 semester hours of graded work at UWF. This policy excludes all courses with grades of “P” or “S.” Grades of “WF,” “F,” or “U” are not earned hours but are included in the GPA
- At least a 3.5 GPA on all work attempted at UWF
- At least a 3.5 GPA on all work attempted, including UWF and credit earned from all other institutions. The GPA used for honors will be no higher than the UWF cumulative GPA. The calculation is found on the SASS audit under Credit Hours category

The following minimum GPAs are required for graduation honors:

<table>
<thead>
<tr>
<th>Degree</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cum Laude</td>
<td>3.50</td>
</tr>
<tr>
<td>Magna Cum Laude</td>
<td>3.70</td>
</tr>
<tr>
<td>Summa Cum Laude</td>
<td>3.90</td>
</tr>
</tbody>
</table>

Previous recognition on the President’s or Dean’s Honor Rolls does not ensure baccalaureate honors at graduation.

**Application for Graduation**

Students fulfilling requirements for a UWF associate or bachelor’s degree must submit an “Application for Graduation” to their major departments by the application deadline stated in the Academic Calendar (p. 7). Students completing the requirements for a minor must submit a “Completion of Minor” form to the minor departments. Graduation and Minor Completion application forms are available on the Office of the Registrar website (http://uwf.edu/registrar). Retroactive graduation to a prior semester will not be approved.

**Commencement**

Commencement ceremonies at UWF are held twice a year, fall and spring, for students graduating with a baccalaureate degree. Associate of Arts candidates are not permitted to participate in the commencement ceremony. Participation in commencement does not ensure all graduation requirements are complete. “Applications for Graduation” should be turned in to the major department by the date stated in the Academic Calendar in order to participate in commencement. Students will receive information about graduation through their student e-mail accounts. Commencement information is also available on the web at uwf.edu/commencement.

**Summer Graduation**

Students who plan to graduate in the summer should apply for summer graduation only. Prospective summer graduates have the option to participate in either the preceding spring or following fall commencement ceremony.

**Degree Audit System**

The Student Academic Support System (SASS) identifies and tracks all graduation requirements for each baccalaureate degree at the University. Students may check their individual progress toward degree completion by reviewing their SASS audit, which is available on MyUWF (https://my.uwf.edu). The SASS audit is used for the final graduation check and a completed (bannered) audit is required before an undergraduate degree is awarded.

**General Degree Requirements**

In addition to the requirements for the major program of study, students must satisfy the following general University requirements:

**General Studies Requirements**

All students (except for students holding an A.A. or certification of the completion of General Studies requirements from a Florida public university or college) who enter UWF must complete the requirements specified as General Studies. The General Studies requirements are the basic studies that provide students with a broad educational foundation and are essential requirements for all A.A. and baccalaureate degree programs. Courses may not be taken on the pass/fail basis. The General Studies requirements are specified in the distribution as follows:

<table>
<thead>
<tr>
<th>Communication</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140 Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Social Sciences**

9
Choose one course from each of the following clusters of courses

### Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

### Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

### Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

### Humanities

**Choose one course from each of the following clusters of courses**

#### Literature:
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

#### Fine Arts:
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

#### Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

### Natural Sciences

**Choose one course from each of the following clusters of courses**

#### Physical Sciences:
- PHY 2048 University Physics I
- PHY 2048L University Physics I Lab
- PHY 2049 University Physics II
- PHY 2049L University Physics II Lab
- PHY 2053 General Physics I
- PHY 2053L General Physics I Lab
- PHY 2054 General Physics II
- PHY 2054L General Physics II Lab
- PHY 2054L General Physics II Laboratory
- PHY 2055 General Physics I
- PHY 2055L General Physics I Lab
- PHY 2056 General Physics II
- PHY 2056L General Physics II Lab
- PHY 2056L General Physics II Laboratory
- PHY 2057 General Physics I
- PHY 2057L General Physics I Lab
- PHY 2058 General Physics II
- PHY 2058L General Physics II Lab
- PHY 2058L General Physics II Laboratory
- PHYS 2048 University Physics I
- PHYS 2048L University Physics I Lab
- PHYS 2049 University Physics II
- PHYS 2049L University Physics II Lab
- PHYS 2053 General Physics I
- PHYS 2053L General Physics I Lab
- PHYS 2054 General Physics II
- PHYS 2054L General Physics II Lab
- PHYS 2054L General Physics II Laboratory
- PHYS 2055 General Physics I
- PHYS 2055L General Physics I Lab
- PHYS 2056 General Physics II
- PHYS 2056L General Physics II Lab
- PHYS 2056L General Physics II Laboratory
- PHYS 2057 General Physics I
- PHYS 2057L General Physics I Lab
- PHYS 2058 General Physics II
- PHYS 2058L General Physics II Lab
- PHYS 2058L General Physics II Laboratory
- PHYS 2059 General Physics I
- PHYS 2059L General Physics I Lab
- PHYS 2059L General Physics I Laboratory
- PHYS 2060 General Physics II
- PHYS 2060L General Physics II Lab
- PHYS 2060L General Physics II Laboratory

### Gordon Rule (Writing and Mathematics) Requirements

To fulfill the writing and mathematics requirement for earning the first baccalaureate degree, students are required to satisfy the Gordon Rule, Florida Statutes by taking six semester hours of English coursework and six semester hours of additional coursework in
which students are required to demonstrate college-level writing skills through multiple assignments. In addition, six semester hours of mathematics at the level of college algebra or higher are required. Students are required to take six semester hours of theoretical math or three semester hours of theoretical math and three semester hours of applied math. Students must have a grade of "C-" or better in the courses to successfully complete this requirement. Courses may not be taken on the pass/fail basis. Students must complete these requirements before advancing to upper-division status. Transfer students should refer to the Transfer Credit (p. 32) section of requirements before advancing to upper-division status. Transfer students should refer to the Transfer Credit section of requirements before advancing to upper-division status. Transfer students should refer to the Transfer Credit section of requirements before advancing to upper-division status. Transfer students should refer to the Transfer Credit section of requirements before advancing to upper-division status.

English/Humanities Courses

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<th>Course Code</th>
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<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
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<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ARH 3724</td>
<td>History of Graphic Design</td>
<td>3</td>
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<td>ARH 4305</td>
<td>Early Italian Renaissance Art</td>
<td>3</td>
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<tr>
<td>ARH 4412</td>
<td>Nineteenth Century European Art</td>
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<td>ARH 4450</td>
<td>Modern Art 1900-1950</td>
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<td>ARH 4911</td>
<td>Research in Art History</td>
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<tr>
<td>CCJ 4700</td>
<td>Research Design in Criminal Justice</td>
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<tr>
<td>CIS 3512</td>
<td>Software Documentation</td>
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<td>EME 3402</td>
<td>Information Technology Implementation Case Studies</td>
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<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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<td>ENC 3240</td>
<td>Technical Writing</td>
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<td>ENC 3250</td>
<td>Professional Writing</td>
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<td>ENG 3010</td>
<td>Critical Methods for Literary Study</td>
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<td>EVR 3894</td>
<td>Environmental Writing</td>
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<td>FIL 4102</td>
<td>Writing for Film-Television-Radio</td>
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<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
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<tr>
<td>JOU 2100</td>
<td>Newspaper Reporting</td>
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<td>JOU 4306</td>
<td>Writing Critical Reviews</td>
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<td>JOU 4308</td>
<td>Magazine Writing</td>
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<td>LIT 1122</td>
<td>Great Books I</td>
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<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
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<td>LIT 2040</td>
<td>Introduction to Drama</td>
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<td>LIT 2100</td>
<td>Introduction to Literature</td>
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<td>MUH 3211</td>
<td>History of Western Music I: End of Ancient World Through 17th Century</td>
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<td>MUH 3212</td>
<td>History of Western Music II: 18th through 20th Centuries</td>
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<td>NUR 4165</td>
<td>Nursing Research</td>
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<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
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<td>PHI 3320</td>
<td>Philosophy of Mind</td>
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<td>Philosophy of Religion</td>
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<td>PHI 4300</td>
<td>Theory of Knowledge</td>
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<td>PLA 4155</td>
<td>Legal Advocacy</td>
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<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
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<td>REL 3145</td>
<td>Women and Religion</td>
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<td>REL 3158</td>
<td>Religious Experience</td>
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<td>REL 3213</td>
<td>Studies in Hebrew Scriptures/Old Testament</td>
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<td>REL 3243</td>
<td>Studies in the New Testament</td>
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<td>SOW 3350</td>
<td>Interviewing and Recording</td>
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<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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<tr>
<td>MAP 4115</td>
<td>Introduction to Stochastic Processes</td>
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Mathematics/Theoretical Courses

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<td>Introduction to Logic</td>
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<td>STA 2023</td>
<td>Elements of Statistics</td>
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<td>STA 3162C</td>
<td>Applied Statistics</td>
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<td>STA 4173</td>
<td>Biostatistics</td>
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<tr>
<td>STA 4321</td>
<td>Introduction to Mathematical Statistics I</td>
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<td>STA 4322</td>
<td>Mathematical Statistics II</td>
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<td>STA 4664</td>
<td>Introduction to Statistical Quality Control</td>
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Mathematics/Theoretical Courses

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<th>Hours</th>
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<td>Advanced Calculus I</td>
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<tr>
<td>MAA 4212</td>
<td>Advanced Topics in Multi-Variable Calculus</td>
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<td>MAC 1105</td>
<td>College Algebra</td>
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<td>MAC 1114</td>
<td>Trigonometry</td>
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<tr>
<td>MAC 1140</td>
<td>Pre-calculus Algebra</td>
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<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
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<td>MAD 3107</td>
<td>Discrete Mathematics and Applications</td>
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<td>MAD 4401</td>
<td>Numerical Analysis</td>
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<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
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<td>MAP 4341</td>
<td>Partial Differential Equations</td>
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<td>MAS 3105</td>
<td>Linear Algebra</td>
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<td>MAS 4156</td>
<td>Vector Analysis</td>
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<td>MAS 4203</td>
<td>Number Theory</td>
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<td>MAS 4301</td>
<td>Abstract Algebra</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<tr>
<td>MIF 3202</td>
<td>Set Theory and Mathematical Logic</td>
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<tr>
<td>MTG 3212</td>
<td>Modern Geometry</td>
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NOTE: Courses with the MAE prefix do not satisfy the Gordon Rule math requirement.

Multicultural Requirement

An important component of a liberal education is the study of cultures other than one's own. As such, multiculturalism encompasses the appreciation of the values, expressions, and modes of organization of diverse cultural communities. To further such study, the University of West Florida requires all students pursuing a bachelor's degree to complete at least one course that explores one or more of the dimensions of another culture (language, religion, socio-economic structures, etc.). Students are exempt from this requirement if they have completed an A.A. degree, the General Education Program at a Florida public institution, or a baccalaureate degree.

The requirement is satisfied by the successful completion of a multicultural course designated on the following list. Several of the selections are General Studies courses, and students may enroll in these to meet both the general studies and the multicultural requirements.

This list is continually updated and students are encouraged to check with their advisors for alternative options.
### Multicultural Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AMH 4580</td>
<td>History of North American Indians</td>
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</tr>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
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<td>AML 3624</td>
<td>Black Women Writers</td>
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<td>AML 4015</td>
<td>Topics in Nineteenth-Century American Literature</td>
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</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
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</tr>
<tr>
<td>ANT 3312</td>
<td>North American Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3363</td>
<td>Japanese Culture</td>
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<tr>
<td>ANT 3403</td>
<td>Cultural Ecology</td>
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<td>ARH 1010</td>
<td>Introduction to Art History</td>
<td>3</td>
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<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ARH 3590</td>
<td>Perspectives in Ancient and World Art</td>
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<td>ARH 4302</td>
<td>Late Renaissance Art in Italy</td>
<td>3</td>
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<td>ARH 4305</td>
<td>Early Italian Renaissance Art</td>
<td>3</td>
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<td>ARH 4412</td>
<td>Nineteenth Century European Art</td>
<td>3</td>
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<td>ARH 4450</td>
<td>Modern Art 1900-1950</td>
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<td>ARH 4470</td>
<td>Art After 1950</td>
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<tr>
<td>ARH 4652</td>
<td>Art and Archaeology of the Ancient Andes</td>
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<td>ARH 4653</td>
<td>Art and Archaeology of Mesoamerica</td>
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<td>ASH 4623</td>
<td>Women in the Muslim World</td>
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<td>CCJ 3678</td>
<td>Race, Gender, Ethnicity, and Crime</td>
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<td>COM 4014</td>
<td>Gender and Communication</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>CPO 3103</td>
<td>Politics of Western Europe</td>
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<td>CPO 3513</td>
<td>Politics of the Far East-Japan and China</td>
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<td>CPO 3773</td>
<td>Great World Leaders</td>
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<tr>
<td>CPO 4303</td>
<td>Politics of Spain, Portugal, and Latin America</td>
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<td>EDF 2085</td>
<td>Teaching Diverse Populations</td>
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<td>Introduction to Literary Theory</td>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>Western Perspectives II</td>
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<td>EUH 3020</td>
<td>Modern Europe</td>
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<td>EUH 3411</td>
<td>Rome and the Mediterranean World</td>
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<td>EUH 3576</td>
<td>Soviet Union since 1917</td>
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<td>EUH 4239</td>
<td>Europe's Expansion Overseas</td>
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<td>FRE 4955</td>
<td>Supervised Foreign Language Field Experience Abo</td>
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<td>Nations and Regions of the World</td>
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<td>GEA 4405</td>
<td>Geography of Latin America</td>
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<td>GEB 4361</td>
<td>International Business</td>
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<td>GEO 3421</td>
<td>Cultural Geography</td>
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<td>GEO 3471</td>
<td>Geography of World Affairs</td>
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<td>HIS 4316</td>
<td>Women in the Atlantic World</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>INR 3006</td>
<td>Conflict, Violence and Peace</td>
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<td>JPN 3270</td>
<td>Supervised Language Experience Abroad</td>
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<td>LAH 3100</td>
<td>Colonial and Revolutionary Latin America</td>
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<td>Latin America since Independence</td>
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<td>LIT 3233</td>
<td>Postcolonial Literature</td>
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<td>LIT 4385</td>
<td>Feminist Theory</td>
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<td>MAN 4102</td>
<td>Management of Diversity</td>
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<td>MAR 4156</td>
<td>Seminar in International Marketing</td>
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<td>MMC 3601</td>
<td>Minorities and the Mass Media</td>
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<td>MMC 4300</td>
<td>Global Communication</td>
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<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<td>NUR 3678</td>
<td>Nursing Care of Vulnerable Populations</td>
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<td>NUR 4177</td>
<td>Holistic Healthcare</td>
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<td>NUR 4615</td>
<td>Family and Community Health Nursing</td>
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<td>NUR 4636</td>
<td>Community Health Nursing</td>
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<td>NSP 4185</td>
<td>Cultural Factors in Health and Illness</td>
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<td>REL 3145</td>
<td>Women and Religion</td>
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<td>REL 3310</td>
<td>Philosophies of the East</td>
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<td>REL 4592</td>
<td>Development of Christian Thought</td>
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<td>SOW 3620</td>
<td>Practice with Culturally Diverse Populations</td>
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<td>Human Diversity and Social Justice</td>
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<td>Advanced Stylistics</td>
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<td>SPN 4500</td>
<td>Spanish Civilization</td>
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<td>Latin American Culture and Civilization</td>
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<tr>
<td>SPN 4955</td>
<td>Intensive Spanish Abroad</td>
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### Foreign Language Requirement

Florida Statutes require that students admitted to a Florida public university meet the foreign language requirement for demonstrating competency in a foreign language. Students who have earned an A.A. from a Florida public community college may be admitted to the University, but must demonstrate competency prior to graduation with a baccalaureate degree. Students completing 8–10 semester hours of American Sign Language with passing grades will have satisfied the foreign language admission requirement. The foreign language requirement must be satisfied prior to progression to upper-division status. In addition, each academic department may determine specific language requirements for students and will recommend or require languages and proficiencies according to individual needs, career objectives, and academic programs.

Competency may be demonstrated in the following ways:

- Earning two credits of a single foreign language in high school or one credit in high school and the second semester (four semester hours) of the same foreign language at an accredited postsecondary institution demonstrating proficiency through the second level, OR
- Satisfactory completion of two semesters (8-10 semester hours) of a single foreign language at a postsecondary institution prior to admission to UWF demonstrating proficiency through the second level. Grades of P are acceptable for this requirement, OR
- Satisfactory completion of two semesters (8-10 semester hours) of a single foreign language at UWF demonstrating proficiency through the second level. Grades of P are acceptable for this requirement. Successful completion of the following tests with appropriate test scores: CLEP subject matter examinations, MAPS-Latin examination published by the College Entrance Examination Board, and proficiency examination at UWF.

Undergraduate transfer students are exempt one of the following applies: (1) they received an A.A. from a Florida public college prior to September 1, 1989; or (2) they enrolled in a program of studies leading to an associate degree from a Florida public college prior to August 1, 1989, and complete at least one academic course each twelve month period beginning with the student’s first enrollment in a Florida public college and continuing until the student enrolled at UWF.

### Common Program Prerequisites

Students entering most bachelor’s degree programs at any Florida public institution must successfully complete a set of lower division courses specified as “common prerequisites” for the selected program. The common lower division prerequisites for a given program are listed with other course requirements for that program. The Common Prerequisite Manual at FLVC.org (http://www.flvc.org/livcportal/Home_Page/lut/p/c5/04_5B8K8xLLM9MSSzPy8x-Bz9CP00s3DEEtPPhx9TOWdOLABdDA093dw8vA29 dl3/d3/L2dBIEEvZ0FBIS9nQSEh) lists the common prerequisites.
courses and substitutions for each university program. Students are urged to consult their advisors early about choices of majors and to schedule General Studies and common prerequisites course work.

**Summer Hour Requirement**

Undergraduate students entering one of the state universities of Florida with less than 60 semester hours of credit must earn at least nine semester hours prior to graduation by attendance during one or more summer sessions at one of the state universities. Students may satisfy this requirement through online courses at UWF as well as any other UWF courses. Courses taken within the community college, state college system, or outside of the State University System of Florida cannot be used to satisfy summer hours.

**Residency Requirement**

Students must complete a minimum of 30 semester hours (25% of the degree program) in a planned program at UWF. In addition, the last 30 semester hours of course work for the undergraduate degree must be completed in residency at UWF. Courses taken while on University sponsored study abroad programs count as resident credit for purposes of meeting graduation requirements. Courses taken at another institution will not meet the UWF residency degree requirement.
Tuition and Fees

The tuition for the University of West Florida includes base tuition and mandatory fees. The schedule of tuition, fees, and other special fees applies to all enrolled students at the University of West Florida. Required fees are established by the Florida Board of Governors, Florida Legislature, and UWF’s Board of Trustees and are generally updated each fall semester. The University will make every possible effort to advertise any changes in fees when and if they occur.

2013-2014 Tuition and Fees

Refer to Tuition_and_Fees_20132014 (http://catalog.uwf.edu/undergraduate/tuitionandfees/Tuition_and_Fees_for_2013-2014_Catalog_-Final_07-01-2013.pdf) for the 2013-2014 academic year tuition and fees information.

Payment of Fees

Methods of Payment

Fees may be paid by any of the following methods:

• Walk-in payments Monday-Friday on the main campus at the University Cashiers Office, Building 20 East, 8:15 a.m. to 4:45 p.m.
• Drop-box depository located at Building 20 East on the main campus.
• By mail. All mail-in payments must be postmarked no later than midnight of the fee payment deadline. Mail-in fee payments postmarked after midnight or lacking a postmark and received after the fee payment deadline will result in the assessment of a $100 late payment fee. Mail payments to UWF Cashiers Office, 11000 University Parkway, Building 20 East, Pensacola, FL 32514-5750.
• Tuition, fees, and other charges may be paid by Visa, MasterCard or American Express credit cards. Payments by credit card may be made in person at the Cashiers Office on the main campus.
• Payments by credit card only may be made on the Fort Walton Beach campus at Building 1, Room 115, Monday-Thursday, 8:30 a.m. to 5:30 p.m. and Friday 8:30 a.m. to 4:00 p.m.
• Internet fee payment option. Use a Visa, MasterCard, or American Express to pay tuition, housing, parking fines, library debts, childcare, and other miscellaneous fees over the Internet. First, access your MyUWF (https://my.uwf.edu) account, select "Credit Card Payment/Nautilus Card Deposit". A $15 convenience fee will be assessed to online payments. Contact the Cashiers Office at (850) 474-3110 for additional information.

Students paying fees by mail or by drop-box depository must include their student number with checks and include all fee payment documents (original copies of fee waiver forms, fee deferment forms, tuition aid forms, etc.) to ensure proper and timely credit for payment. Students are expected to meet all financial obligations as they become due. UWF reserves the right to cancel the registration of students who fail to promptly meet their financial obligations to the University. Students may not pay delinquent account balances applicable to a prior academic year from financial aid awards applicable to the current academic year. All delinquent balances must be paid in full prior to the disbursement of current term financial aid. It is each student’s responsibility to stay informed of all registration and fee payment dates, deadlines, and other requirements by referring to the Academic Calendar (https://nextcatalog.uwf.edu/academiccalendar), viewing Account Balance on MyUWF (https://my.uwf.edu), and announcements printed in Student News or disseminated through other media from time to time. If necessary, students should inform their parents or other interested parties of the deadline dates and the necessity for meeting them.

Fees for courses remaining on the student’s schedule at the close of the drop/add period must be paid by the fee payment deadline. Authorized deferment status may be granted under certain conditions. Authorized deferment status must be granted and processed by the University Cashier during the regular fee payment period. All students placed in a deferred fee payment status must confirm the deferred status with the University Cashier or Student Accounts Office. Failure to pay all fees or receive authorized deferred payment status by the close of the drop/add period may result in cancellation of the student’s registration or the assessment of a $100 late payment fee. The student will be held liable for all fees assessed for courses remaining on the student’s registration at the close of the drop/add period for which a partial payment of fees has occurred or an authorized fee deferment status has been granted. Under such circumstances, the student’s registration may or may not be canceled. An administrative hold will be placed on the student’s record until the course fees and the late fees are paid in full.

Fee Payment: Term E Courses

Fees for special courses (courses not offered in terms A, B, C, or D) are due by the fee payment deadline determined for the course. View Account Balance on MyUWF (https://my.uwf.edu) or contact the Office of the Registrar for specific due dates. Fees paid by mail must be postmarked by midnight of the fee payment deadline. Mail-in fee payments postmarked after midnight or lacking a postmark and received after the fee payment deadline will result in the assessment of a $100 late payment fee.

Financial Aid Delivery

Financial aid awards that are complete prior to the beginning of each semester and available for disbursement, including loans and scholarships, are processed by Student Accounts. Tuition, fees, housing, meal plans and any other outstanding charges are deducted from the financial aid proceeds and the remaining funds are sent to Higher One (UWF’s contracted refund management partner) for disbursement via the method chosen by the student. It is the student’s responsibility to ensure that all fees, housing, and other charges are paid in full by the due date. Any balance over and above the amount that is covered by available financial aid must be received in the University Cashiers Office by the fee payment deadline to avoid assessment of a $100 late payment fee. Fees postmarked by midnight on the due date will be processed without assessment of late charges.

Federal financial aid (Pell, SEOG, Subsidized, Unsubsidized, Plus and Perkins Loans) can only be used to pay for tuition and fees, housing, meal plans, university ID card, and the bookstore deferment. All other charges must be paid prior to federal financial aid being applied to the student’s account.

The netting of financial aid awards begins after the drop/add period. Late awards of financial aid are processed in the same manner throughout each academic term. All excess financial aid will be sent to Higher One for disbursement. All degree seeking students will receive an inactive UWF Debit Card at the current address listed on MyUWF (https://my.uwf.edu). It is the responsibility of each student to keep their current address updated with the Office of the Registrar. Address changes can be made in person or over the web.
UWF Debit Card – DO NOT DISCARD

The information on the card is necessary in order to gain access to the Higher One website. Once logged into the system via the website, the following options are available for the disbursement of financial aid:

1. Higher One checking account/easy refund option (which activates the UWF Debit Card), OR
2. ACH funds to an existing bank account.

Note: The UWF Debit Card only becomes active if option 1 is chosen, the Higher One checking account/easy refund option. Students who choose the ACH option and plan to subsequently transfer funds to a foreign financial institution must contact the Student Accounts Office.

Financial Aid Status

Students are able to view their grades, schedules, holds, and financial aid information on MyUWF (https://my.uwf.edu).

Tuition Loan Program (TLP)

Eligible students may pay tuition and fees in two equal installments. One-half of the total tuition and fees is payable by the close of the drop/add period with the remainder payable by midterm. The TLP application is available online through MyUWF. The application, including the promissory note, must be completed and submitted to the Student Accounts Office during the fee payment period. Each installment must be paid by the appropriate fee payment deadline to avoid assessment of a $100 late payment fee. Students must have a favorable credit rating with the University to be eligible for the Tuition Loan Program. A $15 service charge will be added to all TLPs. Contact the Student Accounts Office at (850) 474-3037 for detailed information.

Contracts and Fees Paid by Another Agency

Students who are registering for courses which will be partially or fully paid by their sponsoring agencies must bring the contracts or authorization forms and partial payments, if applicable, to the Cashiers Office during the registration period. Students must confirm the fees-pending status with the Cashiers Office during the designated fee payment period.

If the authorization is to be mailed to the Cashiers Office by the agency, it must be postmarked by midday of the fee payment deadline. The student must confirm third party billing status with the Cashiers Office during the fee payment period. Failure to meet these requirements will result in the assessment of a $100 late payment fee. An example is to change from a VA deferment or tuition loan to another type of third party billing arrangement.

Florida Prepaid College Program

The Florida Prepaid College Program is not financial aid. Rather, it is a third party billing plan, and as such is processed by the University Cashiers Office. Florida Prepaid participants are automatically downloaded from the Florida Prepaid website. Billing to Florida Prepaid is automatic based on the number of credit hours a student is enrolled in each semester and the student’s number of available Florida Prepaid hours. There are different types of Florida Prepaid plans. The type of plan a student owns will determine the amount per hour Florida Prepaid will pay each semester. No Florida Prepaid plan pays material and supply fees, online fees, transportation fees, or technology fees. Any portion of the student’s account balance not covered by Florida Prepaid or other financial aid must be paid by the fee payment deadline or it will result in the assessment of a $100 late payment fee.

If a student chooses not to bill Florida Prepaid, they must notify the University Cashiers Office each semester by the end of the drop/add period.

Delinquent Balances

Students who have delinquent balances at the University (financial aid billings, loans, library fines, traffic fines, etc.) must pay in full to avoid assessment of additional collection costs. Failure to pay the balance will result in holds being placed which will prevent registration as well as the release of diplomas, grades, and transcripts. Holds could also prevent the release of financial aid.

Tuition Waivers

Students who are registering for courses which will be partially or fully paid by a tuition waiver must submit the authorization form to the appropriate office during the registration period. Students must confirm the tuition waiver status with the Cashiers Office during the designated fee payment period. Failure to do so will result in the assessment of a $100 late payment fee.

Dual Enrolled or Early Admitted Students

High school students enrolled in dual enrollment or early admission programs pursuant to Florida Statutes articulated acceleration will be exempt from the payment of tuition and mandatory fees. Refer to sections on Registration and Admissions for more information.

Florida National Guard

Certain members of the active duty Florida National Guard may be exempt from the payment of one-half of the cost of tuition and fees for courses on a space-available basis only. Students using this waiver may not register for courses subject to the waiver until the last day of registration. Certain members of the Florida National Guard may qualify for that portion of fees not otherwise waived to be paid directly by the Florida Department of Military Affairs when authorized by that agency. An approved authorization billing must be presented to the University Cashiers Office on the main campus by the close of the drop/add fee payment period. Authorizations presented after that day will be subject to the assessment of a $100 late payment fee.

Foster Care Students

Students for whom the State of Florida is paying foster care board payments, and for whom the permanency planning goals are long-term foster care or independent living, will be exempt from the payment of all undergraduate fees, including fees associated with enrollment in college preparatory instruction or completion of college-level communication and computation skills testing programs. Before a fee exemption can be given, the student should have applied for and been denied State financial aid which would have provided, at a minimum, payment of all undergraduate fees.

Florida Resident Senior Citizens

Individuals who are 60 years or older and who meet Florida residency requirements may enroll on a space-available basis without payment of the application and registration fee. Contact the Office of the Registrar for more information.
Special Risk Dependents
Dependents of special risk members as defined in Sections 112.190 and 112.191, Florida Statutes (law enforcement officers and fire fighters), killed in the line of duty are eligible for waiver of tuition and fees under certain circumstances. Contact Student Financial Services regarding eligibility for these waivers.

State Employee Six-Hours-Free Course Benefit
State Employees are eligible for six hours of tuition free courses per semester. Certain portions of course fees are not covered by the waiver and must be paid by the employee or dependent by the fee payment deadline to avoid the assessment of a $100 late payment fee or the cancellation of registration. Refer to State Employees (https://nextcatalog.uwf.edu/graduate/academicpolicies/registration/#stateemployees) in the Registration Policies and Procedures section of this Catalog for detailed procedures and policies.

UWF Employee Tuition Waiver Program
Eligible full-time employees are permitted to take up to six credit hours of undergraduate or graduate coursework at UWF per semester (fall, spring, summer) without payment of tuition or mandatory fees. Certain portions of course fees are not covered by the waiver and must be paid by the employee or dependent by the fee payment deadline to avoid the assessment of a $100 late payment fee or the cancellation of registration. Employees may also assign up to six hours of their undergraduate credit hours or up to three graduate credit hours to their dependents. Courses such as directed studies, practicums, internships, music and theatre performance, continuing education, and other one-on-one course situations such as theses and dissertations are not authorized.

Late Registration and Late Payment Fees
Provided documentation is received by the institution to indicate extenuating circumstances justifying a waiver, the University Controller may waive the late payment fee and the University Registrar may waive the late registration fee when it is determined that the University is primarily responsible for delinquency of a student’s account or that extenuating circumstances exist beyond the control of the student.

Deferred Payments
Deferred payment status for tuition and registration fees may be granted upon application by the student on the following grounds:

Veterans Deferments
- Deferral eligibility is granted to students receiving veterans’ education benefits from federal programs if aid is delayed in transmission to the student through circumstances beyond the student’s control.
- Veterans and other eligible students receiving veterans’ education benefits on active duty and under Chapters 30, 32, 33, 35, 1606, and 1607, U.S.C., are eligible for one deferment each academic semester. A 90-day deferment will be issued for the spring and fall semesters and a 30-day deferment will be issued for summer and mini terms. An additional deferment extension may be issued if there is a delay in the receipt of benefits provided the extension is requested prior to the deferment due date and not after the last day of the semester.

A veteran may request a deferment (promissory note) via their VA Enrollment Certification in MyUWF (https://my.uwf.edu) or at the VSO for the amount of tuition and fees. The VSO will submit the approved promissory note to the University Cashiers Office prior to the fee payment deadline. Failure to make payment by the deferment due date will result in the assessment of a $100 late payment fee. Students who do not make payment or request a deferment may be deleted for non-payment. Students who are deleted for non-payment may appeal for reinstatement and will be assessed a $200 reinstatement fee. If a student has available financial aid, it will be used prior to the posting of the deferment to pay tuition, fees and other charges.

Any change in a VA deferment to a National Guard or other military billing status after the fee payment deadline will result in the assessment of a $100 late payment fee.

The University reserves the right to deny deferral status to students who have established an unfavorable credit rating.

Third Party Billings
Deferment is permitted provided formal contractual arrangements have been made with the University for payments by an approved third party. The University Controller is charged with the responsibility for negotiating third party contracts.

Students are ultimately responsible for all tuition and fees. If the agency (including the Veterans’ Administration) has not paid tuition and fees by the end of the semester, the student is required to pay all tuition and fees in full. Failure to do so will result in an administrative hold being placed on the student’s record and the assessment of a $100 late payment fee.

Refund of Fees
The late payment fee and late registration fee is nonrefundable unless waived by the University Fee Appeals Committee.

Full refunds will be made to the student when a course is canceled by the University or when a student is denied access to a University course. During the drop/add period the per credit hour fee will be fully refunded for each semester hour or course(s) dropped during the drop/add period.

After the drop/add period a refund of 25 percent of the per credit hour fee will be made if withdrawal from all courses is completed prior to the published deadline in the Academic Calendar (https://nextcatalog.uwf.edu/academiccalendar). Contact the Office of the Registrar for specific withdrawal deadlines for E term courses. Withdrawals are processed in the Office of the Registrar.

In the following instances, the per-credit hour fee will be refunded upon appeal with appropriate documentation:

Call to or enlisted in active military service within the semester; death of the student or death in the immediate family (parent, spouse, child, sibling); complete withdrawal of the student from all courses due to illness of the student that is confirmed in writing by a physician, stating that completion of the term is precluded; or exceptional circumstances upon approval of the University Fee Appeals Committee. The student must submit a written appeal to the University Fee Appeals Committee via the Student Accounts Office. Appeals for refunds must be supported by appropriate written documentation.
Return of Title IV Funds (Student Responsibility)

The University of West Florida is required by Federal regulation to monitor financial aid students who receive Title IV Funds (Pell, SEOG, Direct Loans, Perkins and Plus Loans). Students who have officially or unofficially withdrawn from all courses before completing more than 60 percent of the semester are not eligible for 100 percent of their financial aid.

The university is required to return the unearned portion of the Title IV Funds to the Federal Department of Education. Returned unearned aid that is related to federal loans will be applied to the outstanding balance of the loans.

Financial aid that is returned to the Federal Department of Education will become a debt that the student owes the university. This amount will be placed on the student’s account and a hold will be placed on the student account preventing registration, grades and transcripts. Contact the Student Accounts Office for exact dates and repayment requirements (850-474-3038 or stuacct@uwf.edu).

**Official Withdraw Date** - the date you officially withdrew from all of your classes.

**Unofficial Withdraw Date** - if you stop attending without officially withdrawing, the last documented date of attendance or participation will be the withdrawal date. If all grades are a combination of F, W and I (incomplete) your professors will be asked to report the last date of attendance or participation. This information will be used to determine your eligibility for federal aid.

Non-Attendance - if an instructor reports that you did not begin attendance in a class, even if you officially withdrew from the class, then your federal aid will be reviewed to determine your eligibility.

**Appeal for Late Fee Assessments and Refunds**

Student appeals for late payment fees, late registration fees and refunds of tuition and mandatory fees after the refund deadline are referred to the University Fee Appeals Committee. Requests for refunds and other appeal actions to be considered by the Committee must be submitted within six months after the end of the semester to which the refund or appeal action is applicable. Requests made after that deadline will not be considered.

All appeals must be submitted in writing with attached supporting documentation to the Student Accounts Office. Fee appeal forms are available in the Student Accounts Office and on the web at MyUWF (https://my.uwf.edu) or uwf.edu/financial.

In the following instances, the per-credit hour fee will be refunded upon appeal with appropriate documentation:

- Call to or enlisted in active military service within the semester; death of the student or death in the immediate family (parent, spouse, child, sibling); complete withdrawal of the student from all courses due to illness of the student that is confirmed in writing by a physician, stating that completion of the term is precluded; or exceptional circumstances upon approval of the Committee.

The filing of an appeal before the University Fee Appeals Committee does not extend the due date for tuition and mandatory fees, tuition loans, deferments or other charges while awaiting a decision by the Committee. Such charges not paid by the fee payment deadline will be assessed a $100 late payment fee. All questions regarding fee appeals should be directed to the Student Accounts Office at (850) 474-3038 or feeappeal@uwf.edu.
Residency for Tuition Purposes

To qualify as a Florida resident for tuition purposes, the student (dependent or independent) must be a U.S. citizen, permanent resident alien, or a legal alien granted indefinite stay by U.S. Bureau of Citizenship, Immigration Services, and must have established physical and legal residence in Florida for at least one year. Students who do not meet this basic criteria cannot be classified as residents for tuition purposes. It is important to note that living or attending school in Florida is not tantamount to establishing a legal residence for tuition purposes. Maintaining a legal residence in Florida requires substantial physical presence as a condition. Questions regarding residency status upon application and readmission to UWF should be directed to the Office of Undergraduate Admissions. Questions regarding a change in residency status for currently enrolled students should be directed to the Office of the Registrar.

Determination of Dependent or Independent Status

The determination of dependent or independent status is important because it is the basis for whether the student has to submit his or her own documentation of residency (as an independent) or his or her parent’s or guardian’s documentation of residency (as a dependent). The following definitions are provided in rule:

Independent Student

Evidence that the student meets one of these criteria will be requested by UWF. A student who does not meet one of the criteria outlined below may be classified as an independent student only if he or she submits documentation that he or she provides fifty (50) percent or more of the cost of attendance for independent, in-state students as defined by the Financial Aid Office at UWF (exclusive of federal, state, and institutional aid or scholarships). A student who meets any one of the following criteria shall be classified as an independent student for the determination of residency for tuition purposes:

- The student is 24 years of age or older by the first day of classes of the term for which residency status is sought at a Florida institution
- The student is married
- The student has children who receive more than half of their support from the student
- The student has other dependents who live with and receive more than half of their support from the student
- The student is a veteran of the United States Armed Forces or is currently serving on active duty in the United States Armed Forces for purposes other than training
- Both of the student’s parents are deceased or the student is or was (until age 18) a ward/dependent of the court
- The student is working on a master’s or doctoral degree during the term for which residency status is sought at a Florida institution
- The student is classified as an independent by the Financial Aid Office

Dependent Student

All other students who do not meet the above definition of an independent student shall be classified as dependent students for the determination of residency for tuition purposes.

Residency Documentation

In addition to being a U.S. citizen, permanent resident alien or legal alien granted indefinite stay by INS, a student must provide the following documentation one week prior to the first day of classes for any given semester:

Status

- Documentation of independent status (petitioners required to evidence their independent status will be required to submit a copy of their current IRS return as well as their parents’ current IRS return to establish they are not claimed as dependents), OR
- Documentation of dependent status and documentation that your parent, legal guardian (court appointed), or adult relative (resided with for 5 years), has resided in the state of Florida for the previous 12 months with the intent of establishing a permanent home (requires copy of current IRS return from parent, legal guardian or adult relative and the residency statement and supporting documentation submitted will be that of the parent, etc.), OR
- Documentation of being the spouse of someone who has resided in the state of Florida for the previous 12 months with the intent of establishing a permanent home (requires the marriage certificate, the residency statement and supporting documentation of the spouse, plus a photo copy of the student’s Florida driver’s license, voter registration, or vehicle registration); AND

Residence

Documentation establishing legal residence in Florida by one of two means (must be dated at least one year prior to the first day of classes of the semester for which resident status is sought):

- Proof of purchase of a permanent home in Florida in which the student has resided for at least one year prior to the first day of classes
- Proof that the student has maintained residence in Florida for the preceding year (e.g., rent receipts, canceled checks or notarized statement from a landlord); AND

Establishment of Domicile

Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education must be dated at least one year prior to the first day of classes of the semester for which resident status is sought. The following documents will be considered evidence of domicile even though no single criteria will be considered as conclusive evidence of domicile:

- Florida voter registration
- Florida driver’s license
- Florida vehicle registration
- Proof of real property ownership in Florida (e.g., deed, tax receipts)
- Florida occupational license
- Declaration of Domicile
- Letter on company letterhead from an employer verifying permanent employment in Florida for the 12 consecutive months before classes begin
- Proof of membership in or affiliation with community or State organizations or significant connections to the State
- Proof of reliance upon Florida sources of support
• Any other factors peculiar to the individual which tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual.

No Contrary Evidence
No contrary evidence establishing or maintaining residence elsewhere.

Special Categories for Temporary Florida Residency
• Members of the U.S. Armed Forces on active duty stationed in Florida and their spouse and dependents
• Full-time instructional or administrative employees of Florida public schools, community colleges, or institutions of higher education and their spouse and dependents
• Part of the Latin American/Caribbean Scholarship Program
• Qualified beneficiary under the terms of the Florida Pre-Paid College Program
• Living on the Isthmus of Panama and have completed 12 consecutive months of college work at the FSU Panama Canal Branch, or is the student spouse or dependent child
• Full-time employee of a state agency or political subdivision of the state whose student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training
• Active member of the Florida National Guard who qualifies under Florida statute for the tuition assistance program
• Active duty member (or the spouse of the member) of the Armed Services of the United States attending a public community college or university within 50 miles of the military establishment where the member is stationed, if such a military establishment is within a county contiguous to Florida
• Active duty member (or spouse or dependent child of a member) of the Canadian military residing or stationed in Florida under the North American Air Defense (NORAD) Agreement, attending a public community college or university within 50 miles of the military establishment where the active duty member is stationed
• Active duty member (or spouse or dependent child of the member) of a foreign nation's military who is serving as a liaison officer or is residing or stationed in Florida and attending a community college or state university within 50 miles of the military establishment where stationed

Change of Residency Status
Change of Residency or reclassification procedures apply to any student who attended UWF within the last three semesters and is requesting a change to his or her residency status. A student who has been enrolled, while classified as a “non-Florida resident for tuition purposes” and wishes to be considered for reclassification as a “Florida resident for tuition purposes,” should file with the Office of the Registrar a “Request for Change of Residency Status” form, with copies of supporting documentation attached. The request and documentation must be submitted one week (7 days) prior to the first day of classes for any given semester.

This request for reclassification is also required for students who are active duty or discharged members of the Armed Forces who wish to change from non-Florida or temporary Florida resident to Florida resident status.

Living in or attending school in Florida will not, in itself, establish legal residence. An individual must be able to demonstrate that his/her activities in Florida during the qualifying period are not primarily student related. Residency in Florida must be for the purpose of establishing a permanent home and not merely incidental to enrollment at an institution of higher education. A period of non-enrollment during the 12 month qualifying period may be required. In addition, university residence halls, fraternities, sororities, scholarship houses, and other UWF campus addresses are not permanent addresses for residency purposes. The burden of proof of permanent residence lies with the student. Requirements for residency for tuition purposes may be found in the Admissions section of this Catalog.

Alabama Differential Out-of-State Tuition
Residents of Alabama are eligible for the Alabama Differential Tuition Plan, a reduced out-of-state tuition rate. For more information, new students should contact the Office of Undergraduate Admissions and current students should contact the Office of the Registrar.

Alabama residents must be a U.S. citizen, permanent resident alien, or legal alien granted indefinite stay by INS, and meet one of the following requirements to qualify for differential tuition:
• Be an independent person, according to the Federal Income Tax Code, whose parent or legal guardian has established and maintained legal ties within the state of Alabama as evident by a combination of parent/guardian’s most recent IRS return (section listing dependents) and parent/legal guardian’s driver’s license, vehicle registration, voter registration, Declaration of Domicile, etc. for the previous 12 months. If qualifying as a spouse of a legal resident of Alabama, a copy of the marriage certificate is also required.

• Be a dependent person, according to the Federal Income Tax Code, whose parent or legal guardian has established and maintained legal ties within the state of Alabama as evident by a combination of parent/guardian’s most recent IRS return (section listing dependents) and parent/legal guardian’s driver’s license, vehicle registration, voter registration, Declaration of Domicile, etc. for the previous 12 months.

• Be a member of the Armed Services of the United States, on active military duty pursuant to military orders, who is stationed within the state of Alabama or whose state of legal residence, as evident by the HOR or LES, is Alabama. If qualifying as a spouse of a qualified armed services member, a copy of the marriage certificate is also required. The most recent IRS return (section listing dependents) may be required for dependent child.
Financial Aid

The Financial Aid Office (FAO) coordinates the awarding of scholarships, grants, work-study, and loans through Federal, State, and University funds. Financial aid enables students to reduce or eliminate financial barriers to admission and retention at the University. All awards are contingent upon availability of funds. Non-degree students are not eligible to receive financial aid.

Applying for Financial Aid

A student applying for financial aid must follow the procedure outlined below:

- Complete the “Free Application for Federal Student Aid (FAFSA)”, available online at fafsa.gov (http://www.fafsa.gov). The results, called a Student Aid Report (SAR), will be electronically transmitted to the University of West Florida when the student enters UWF’s school code “003955” on the FAFSA.
- Submit an admissions application to UWF. No financial aid will be awarded until the applicant has been admitted to UWF.

Most financial aid programs require that an applicant register at least half-time, maintain satisfactory academic progress, and show evidence of financial need. Receipt of a financial aid award does not guarantee financial aid in subsequent years. A student must reapply for financial aid each academic year.

2013-2014 Estimated Full-Time Undergraduate Student Budget

These two-semester undergraduate student budgets are used to determine initial financial aid awards, but can be adjusted later in the year if tuition figures change.

Florida Resident

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Non-Florida Resident

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Commuter - residing with parents, relatives, or friends without the responsibility of rent or mortgage.

Undergraduate tuition amount is based on 15 credit hours per semester and 30 credit hours per academic year (an average course load).

Satisfactory Progress Requirements

Financial aid recipients must comply with UWF’s satisfactory academic progress (SAP) requirement for GPA, Completion Ratio (CR), and Maximum Time Limit (MTL). The complete policy is available on the financial aid website. Financial aid eligibility is checked at the time a student is awarded and at the end of every semester when grades are posted. Minimum requirements are:

Minimum Cumulative UWF GPA

1 - 29 hours: 1.80
30+ hours: 2.00
Scholarship: 3.00

Minimum Cumulative Completion Ratio

Satisfactory completion means that a student must complete at least 75% of the courses in which they enroll with the following grades: A, B, C, D, F, and S. Unacceptable grades include F, U, N, I (incomplete), W, WF, WR, TR, V (extended incomplete) and X (audit). Transfer hours from previous institutions, remedial courses, and repeat coursework are included in the completion ratio.

Maximum Time Limit

180 credit hours is the maximum time limit for an undergraduate student. All coursework taken is included in these totals (transfer hours, remedial courses, repeated coursework, withdrawals, F’s, etc.). Maximum Time Limit for a second bachelor’s degree is 150% of the program length. Maximum Time Limit cannot be appealed.

Satisfactory Progress Appeals

Students declared ineligible for financial aid on the basis of unsatisfactory academic progress may appeal the decision in writing by completing the Satisfactory Academic Progress Appeal Form. Appeals are based on extenuating circumstances only; documentation is required.

Reinstatement Policy

A student who chooses not to appeal, or whose appeal is denied, will regain eligibility once the minimum standards for GPA and/or completion ratio are attained. The student is responsible for contacting the Financial Aid Office when standards are reached.

Grants

Federal Pell Grant

This grant is the primary need-based federal aid program. Repayment is not required. Pell Grants are awarded to undergraduate students working on a first bachelor’s degree. Awards are based upon enrollment status.

Federal Supplemental Educational Opportunity Grant (FSEOG)

These grants are awarded to undergraduate students working on a first bachelor’s degree with high financial need. Repayment is not required. The grants range in value up to $2000 per year. A student must be receiving Pell Grant to be eligible for FSEOG.

Florida Student Assistance Grant (FSAG)

FSAG is a need-based, state grant awarded to undergraduate Florida residents working on a first bachelor’s degree. Repayment is not
required. Eligibility is determined by completing the FAFSA. FSAG has a priority deadline of March 1st for the academic year that begins with the fall semester.

**Institutional Grants**

Limited funds are available to undergraduate students, working on a first bachelor’s degree, who demonstrate financial need. Repayment is not required. Grants range in value up to $2000 per year.

**First Generation Matching Grant**

This is a need-based, state grant available to a limited number of undergraduate Florida residents who are identified on the FAFSA as a first generation college student. This grant is subject to availability of funds.

**Loans**

**Subsidized and Unsubsidized Federal Direct Loan**

A subsidized loan is need-based and accrues no interest while the student is attending school at least half-time. If the student does not qualify for a subsidized loan, an unsubsidized loan will be processed. An unsubsidized loan does accrue interest from the time the loan is disbursed. The student has the option to pay the interest every 90 days or let it capitalize. Students are encouraged to pay the interest, if possible, to avoid additional interest charges. Both loans have a 6-month grace period before repayment begins; the student can repay the loan at any time without penalty. Additional information regarding interest rate, annual, and aggregate limits can be found on the financial aid website (http://uwf.edu/finaid/loans.cfm).

**Federal Direct Parent (PLUS) Loan**

The Parent PLUS loan allows a parent to borrow on behalf of his or her dependent, undergraduate children who are enrolled at least half-time (6 semester hours). A PLUS loan may not exceed the cost of education minus other aid awarded. The PLUS application may be obtained from the Financial Aid Office or the financial aid website. Repayment begins within 60 days of the loan being disbursed unless deferred repayment is requested by the parent.

**Federal Perkins Loan**

These are need-based, long-term, 5% interest loans awarded to a limited number of students. Loans up to $4000 per academic year (fall and spring) are awarded to students enrolled at least half-time (6 semester hours) and working on a first degree. Repayment begins nine months after the student graduates or ceases at least half-time enrollment.

**Scholarships**

**UWF Scholarships**

The Financial Aid Office awards only need-based scholarships. Need-based scholarships require that the student complete a Free Application for Federal Student Aid (FAFSA). Award amounts range from $500 - $3000 per academic year based on documented need.

The Office of Undergraduate Admissions awards merit-based scholarships to incoming undergraduate students. Additional information is available on the Admission’s website (http://uwf.edu/admissions). Merit-based funds are awarded to a limited number of incoming full-time students and vary in range up to $5,000. Awards are determined based on the quality of the applicant pool. Some scholarships are renewable and others are one-time awards. Students admitted in advance of the priority deadline, January 1, receive first consideration.

Some academic departments also award merit-based funds. Check with your academic department for information about any scholarships that might be available.

**Florida Bright Futures**

This merit-based scholarship is for Florida residents who graduate from a Florida high school. The value of these scholarships is determined by the State of Florida. Eligibility is determined at the high school level based on curriculum, grades, test scores, and community service. Contact your high school guidance counselor to determine your eligibility.

**Student Employment**

**Federal Work-Study (FWS)**

FWS is a need-based federal aid program where a student is assigned an on-campus job. A small percentage of FWS funds are allocated to off-campus, non-profit community service organizations. Awards are available to a limited number of undergraduate students enrolled at least half-time (6 hours) working on a first degree. The average award is 15 hours per week at $7.79 per hour. Students are paid every two weeks based upon the number of hours worked during that period.

**On Campus Student Employment (OPS)**

University departments and offices employ students under the OPS program. The Office of Human Resources oversees and posts student employment job opportunities on-campus. Visit the Student Employment site at jobs.uwf.edu, select “Student.” For more information contact Human Resources at (850) 474-2694.

**Off-Campus Part-Time Employment**

Off-campus employers advertise with the Office of Career Services to assist in filling part-time positions. Information is available online at uwf.edu/career.
Military and Veterans' Information

Military Personnel

The University of West Florida recognizes that many active duty military personnel face formidable barriers in the pursuit of a college degree. As part of the University’s continuing commitment to educational opportunities for military personnel, in the fall of 2011, UWF opened a center dedicated to supporting all military and veteran affiliated students, including spouses and dependents. This center is the Military and Veteran’s Resource Center (MVRC) (http://uwf.edu/mvrc) located in building 38 room 147. The primary goal of the MVRC is helping military and veteran students successfully make the transition from the military environment to campus life. Transition coaches are available to assist students with GI Bill benefits, the university process, support service, counseling & tutoring, etc. A computer center is housed within the MVRC for use by veterans on coursework. Contact the MVRC at mvrc@uwf.edu or 850-474-2550. Many departments have agreed to offer degrees through a system tailored to the specific needs of active duty military personnel. Previous college credit, work experience, service schools, and other forms of nonacademic experiences will be considered for college credits. For further information, contact the Office of Undergraduate Admissions (http://uwf.edu/admissions).

Servicemembers Opportunity Colleges

The University of West Florida has been designated as an institutional member of Servicemembers Opportunity Colleges (SOC), a group of more than 1800 colleges and universities providing voluntary postsecondary education to members of the military throughout the world. As a SOC member, UWF recognizes the unique nature of the military lifestyle and is committed to easing the transfer of relevant course credits and crediting learning from appropriate military training and experiences. SOC has been developed jointly by educational representatives of each of the armed services, the Office of the Secretary of Defense, and a consortium of 12 leading national higher education associations. It is sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community Colleges (AACC).

Veterans’ Benefits

The University of West Florida is approved by the Florida Department of Veterans Affairs (DVA) for the education of veterans, active duty personnel, reservists, and eligible dependents under current law. The Military and Veteran’s Resource Center (MVRC) (http://uwf.edu/militaryveterans) is the point of contact for students receiving benefits from the DVA. The office has a professional staff augmented by veteran transition coaches to assist in providing information about entitlements, filing claims to the DVA, and certifying enrollment. The MVRC monitors the academic progress of students receiving DVA educational benefits. Students who receive DVA benefits are subject to different academic regulations and should be aware that auditing courses, enrollment status, withdrawals, repeating courses, changing degree programs, adding majors and minors, grade forgiveness, and other actions may affect eligibility for educational benefits. Contact the MVRC at mvrc@uwf.edu or 850-474-2550, with any questions.

Yellow Ribbon

The University of West Florida is an approved participating Yellow Ribbon Institution for the 2013-2014 catalog year. The Yellow Ribbon program is designed to help non-Florida residents cover the cost of their education that exceeds the in-state tuition and fees. It is only available to those individuals eligible for the maximum benefit rate (100%) of the Post 9/11 GI Bill (Chapter 33). It will be granted to the first 250 qualified students on a first-come, first-served basis. To receive educational benefits from the DVA, the student must be pursuing an approved bachelor’s or higher level degree, or be enrolled in a VA authorized certificate program at the University. VA will only pay benefits for classes required for graduation or for completion of an authorized VA certificate program. Required courses must be reflected in a student’s degree audit before they can be certified for VA benefits. Substitutions to the degree audit must be made prior to VA certification. To avoid delays in a certification it is a student’s responsibility to ensure that required classes are being taken. Failure to do so may prohibit certification of classes for future semesters. Students who do not have an on-line degree audit must submit a signed program description sheet.

Tuition Deferment

Deferred payment status for tuition and registration fees may be granted upon application by the student on the following grounds. The University reserves the right to deny deferment status to students who have established an unfavorable credit rating. Students receiving financial aid are ineligible for tuition deferments.

Deferral eligibility is granted to students receiving veterans’ educational assistance benefits from federal or state assistance programs if aid is delayed in transmission to the student through circumstances beyond the student’s control.

Veterans and other eligible degree-seeking students receiving benefits on active duty and under Chapters 30, 32, 33, 35, 1606, and 1607, U.S.C., are eligible for one deferment each academic semester. A 90-day deferment will be issued for the spring and fall semesters and a 30-day deferment will be issued for summer and mini-terms. An additional deferment extension may be issued if there is a delay in the receipt of benefits provided the extension is requested prior to the deferment due date and not after the last day of the semester.

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<tr>
<th>Semester (Year)</th>
<th>A Term</th>
<th>B Term</th>
<th>C Term</th>
<th>D Term</th>
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<td>Spring</td>
<td>Apr 7</td>
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<td>Summer</td>
<td>Jun 11</td>
<td>Jun 11</td>
<td>Jul 25</td>
<td>Jul 11</td>
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Tuition and Fees must be paid by the last day of a semester, VA deferments DO NOT extend beyond the posted semester dates.

A veteran may request a deferment (promissory note) via their VA Enrollment Certification Form found in their MyUWF account (https://my.uwf.edu) or at the MVRC for the amount of tuition and fees. The MVRC will submit the approved promissory note to the University Cashier prior to the fee payment deadline. Failure to make payment by the deferment due date will result in a $100 late payment fee. Students who do not make payment or request a deferment may be deleted for non-payment. Students who are deleted for non-payment may appeal for reinstatement and will be assessed a $200 reinstatement fee.
Any change in a VA deferment to a National Guard or other military billing status after the fee payment deadline will result in the assessment of the late payment fee of $100.00.

A University withdrawal does not cancel the veteran’s responsibility to pay the deferment. A veteran must submit a fee appeal explaining the circumstances behind the request. This is not an automatic approval.

**Academic Progress**

University academic standing is discussed in the Academic Policies section of the Catalog. However, students receiving veterans’ benefits must meet the requirements listed below consistent with UWF’s academic policies.

Students will be notified formally by US mail and/or via email (UWF email account) when placed on VA Academic Probation, Suspension, and/or Termination.

**VA Academic Probation**

The intent of academic probation is to serve formal notice that a student may not be making satisfactory progress which can result in loss of VA educational benefits. Placing students on VA Academic Probation provides students notification of their need for immediate attention to academic improvement. Students whose cumulative grade point average (GPA) for University of West Florida course work is below the minimum listed below will be placed on VA academic probation by the UWF VA Certifying Official. Calculation of the GPA is described in the grading system section of this catalog.

Minimum GPA required for academic standing:
- 0-15 semester hours, less than 1.60 cumulative GPA
- 16-30 semester hours, less than 1.80 cumulative GPA
- more than 30 semester hours, less than 2.00* cumulative GPA

**VA Academic Suspension**

A student with more than 30 semester hours, with consecutive semesters of cumulative GPAs below a 2.0*, will be placed on VA academic suspension.

VA Academic suspension will remove the students VA educational benefits until the following action is completed:
- The student must enroll in the MVRC mentoring program and follow the prescribed plan provided by the MVRC mentor.
- The student must obtain written counseling from his or her academic counselor and provide that written documentation to the MVRC.

**VA Termination**

A student’s VA benefits will be terminated if the student’s cumulative GPA remains less than a 2.0* for three consecutive semesters. The MVRC will notify the DVA of unsatisfactory progress and educational benefits will be terminated.

* 2.5 for those programs requiring a minimum cumulative GPA of 2.5.

**Advance Payment**

Advance payment of DVA benefits may be available to new students and those students who were not enrolled in the previous semester.

Application should be made through the MVRC no later than 45 days before the first day of classes of the anticipated enrollment semester.

**Reporting Requirements**

Re-certification of benefits is not automatic and must be requested each semester by students via the VA Enrollment Certification Form found in their MyUWF account. It is the responsibility of each student to keep the Military and Veteran’s Resource Center (MVRC) informed of the following: To prevent overpayment and subsequent indebtedness to the Federal Government, notify the MVRC immediately of any changes that may affect the student’s eligibility for benefits.

**Class Registration**

After registering for classes, eligible students should request VA certification via the VA Enrollment Certification Form found in their MyUWF account. Students who don’t have a MyUWF account should print the VA Enrollment Certification Form (http://uwf.edu/militaryveterans/documents/VA_interview_enrollment_certification_form_3_12.pdf) found on the UWF MVRC website (http://uwf.edu/militaryveterans). For questions, students may visit or email the UWF Veterans Services Office (VSO) (veterans@uwf.edu) for information and help. The earlier a student registers and provides the registration information to the VSO, the earlier certification paperwork can be forwarded to the DVA.

**Changes to Schedule**

Any additions, drops, withdrawals, or other interruptions must be immediately reported to the Military and Veteran’s Resource Center by the student.

**Class Attendance**

Routine class attendance is required for those receiving DVA benefits. It is the student’s responsibility to inform the instructor(s) of absence from class(es) prior to, or as soon as possible after, the absence. Students must check with their respective instructor(s) regarding the attendance policy for each class. Students who are unable to attend class(es) for an extended period of time should notify the instructor(s) and the UWF Military and Veteran’s Resource Center. If a student receiving DVA benefits is found in violation of the policy, the DVA will be notified and benefits may be reduced accordingly.

**Change of Major**

The DVA must be notified when a student changes a major. These changes may be approved if there is minimal loss of credit hours.

**Change of Address**

If a student’s address changes, both the DVA and UWF must be notified.

**Courses Not Eligible for Benefits**

Courses not meeting University requirements for graduation cannot be certified to the DVA for benefits payment. Although not all inclusive, the following list reflects types of courses that will not be certified to the DVA:

- Courses not on the student’s degree audit or Program Description Sheet (PDS), unless an addendum is provided before the last day of the drop/add period;
- Repeated courses that have been previously completed with a grade of “D-” or higher unless the student’s program requires a higher grade; this includes courses transferred from other colleges;
• Courses taken to fulfill requirements at another institution unless a transient authorization is received;
• Courses taken on an audit or noncredit basis or courses in which the permanent grade is “non-punitive,” e.g., “W” or “V”;
• Courses for which an “I” or “I*” was assigned, but not changed to a letter grade (A through F) within one year of the completion of the semester; in this case, the DVA will be notified retroactively;
• Remedial & deficiency courses offered by independent study;
• Distance Learning classes designed for career enhancement or continuing education.

Certificate Programs

Not all certificate programs are certified for VA benefits. Check with the Military and Veteran’s Resource Center (http://uwf.edu/mvrc) for further information.

Off-Term Courses

Off-term courses are those beginning and/or ending on dates other than the regular semester dates. These are referred to as B, C, D, or E term courses. Students should be aware that the DVA review is made on a term-by-term basis and not by semester. Taking B, C, D, or E term courses may affect the student’s training rate for pay purposes and eligibility for break pay. Since this varies by benefit chapter, students should contact the MVRC to determine their training time and qualifications for full benefits.
The Academic Technology Center is responsible for UWF’s Online Campus (OLC). The OLC supports all fully online, blended, and web-conferencing degree and certificate programs. The OLC website (onlinecampus.uwf.edu) provides one-stop shopping for distance learning students to assist in planning online degrees, certificates, and educational experiences. Students may access the website for advisement, admissions procedures, registration, information about taking online classes, and graduation. The Online Campus provides many helpful tips and links to the same quality services and student support available on our University of West Florida campuses. Students participating in the Online Campus will have access to advisors, military education coordinators, and others to assist the online learner’s overall educational experience.

Online Campus Programs

Approximately 30 degree and certificate programs are offered through the UWF Online Campus. Admittance to any of our online degree or online certificate programs provides the opportunity to apply for an out-of-state tuition waiver that reduces out-of-state tuition substantially (See out-of-state tuition waiver information below). Students enrolling in these programs will experience interactive, personalized strategies for course delivery as well as access to the Online Campus staff that stand ready to provide information to online students. Programs currently offered through the Online Campus can be found at onlinecampus.uwf.edu and in the Catalog.

Out-of-State Tuition Waivers

Waivers to cover all or part of the out-of-state portion of assessed tuition may be available for qualified students admitted to specific online degree and online certificate programs. Students admitted to programs and certificates listed under Eligible Programs on the Online Campus website (onlinecampus.uwf.edu/affordable/waivers.cfm) and are 1) a non-Florida resident and 2) enrolled in Online Campus (OLC coded) courses may be eligible for the waiver.

Non-Resident members of the U.S. Armed Services on active duty stationed in Florida and their spouses and dependent children do not require waivers because they are granted Temporary Florida Residency.

Students enrolled through the SREB Academic Common Market are not eligible for the out-of-state tuition waiver. In some instances, the University may apply third party payments prior to applying waivers.

Notes:

• Renewal of waivers is NOT automatic.
  • Students must apply for a distance learning tuition waiver each semester by completing the “Tuition Waiver” form located on the UWF Online Campus website at (secure.uwf.edu/uwfonline/Affordable/waiverForm.cfm).
  • Students must pay all other assessed tuition and fees.
  • Students withdrawing from a course or from the University are liable for fee payment as established by standard University policy.

Student Responsibility

The success of online learning relies heavily on the commitment of the student to participate fully in class assignments, discussions, and in supporting class members while building an online learning community. Each semester students should expect to receive an e-mail confirmation of their Online Learning course registration as well as providing details on how to learn online. The Online Campus website provides links to the UWF Bookstore as well as to all of the support services required for the student experience. Students should enter their online course(s) through the MyUWF portal at MyUWF (https://my.uwf.edu). Students are expected to have a UWF e-mail account that must be checked at least three times a week to be an active participant in online courses. Students having difficulty should contact the Online Campus for guidance (online@uwf.edu or 1-888-529-1823).
Public Service and Research Centers

The University of West Florida faculty and students at the graduate and undergraduate levels actively engage in public service and research. The Office of Research and Sponsored Programs supports this engagement by facilitating the growth, development, and quality of basic and applied sponsored research. The office also includes a Technology Transfer program which assists with the commercialization of emerging research. Although faculty conduct unfunded research in a wide variety of areas appropriate to their discipline, the majority of funded research is conducted by the University’s research centers and institutes. A list of centers and institutes is located on the Office of Research and Sponsored Programs website at research.uwf.edu/institutes.cfm.

For additional information, contact the Office of Research and Sponsored Programs at (850) 474-2824.
Student Involvement

The University offers many diverse opportunities for participation in extracurricular activities and encourages the development of student interest groups and activities. The University Commons and Student Activities Office (UCSA) coordinates all Campus Activity Board events, Homecoming activities, Argo Arrival (welcome week) events, student organization events including fraternity and sorority recruitment, and an emerging leadership program. The office maintains a complete schedule of activities and is responsible for general management of the University Commons.

Involvement in extracurricular activities is a vital part of student life at the University of West Florida. The University officially recognizes over 180 registered student organizations that extend learning from the classroom into real-life situations as students learn to work in teams with diverse membership, plan events, develop budgets, promote activities, and just have fun. Several organizations prepare teams and projects to participate in regional and national competitions in their fields of interest. Students may also start their own organization or student interest group by contacting the Student Involvement Office. UCSA maintains an online service called ArgoPulse (http://uwf.edu/argopulse/index.cfm) that provides links to opportunities for student involvement.

The University also offers extracurricular activities in recreation, music, theatre, forensics, and various other organizations. In addition, there are many activities and events in which students may participate, assist, or organize. Please refer to the UCSA website at uwf.edu/ucommons/ for details and contact information.

Intercollegiate Athletics

The intercollegiate athletic program comprises competitive teams in fourteen sports: men’s teams in baseball, basketball, cross country, golf, soccer, and tennis; and women’s teams in basketball, cross country, golf, soccer, softball, swimming & diving, tennis, and volleyball. Additional information may be found at GoArgos.com (http://GoArgos.com).

The Argonauts compete in the National Collegiate Athletic Association (NCAA) Division II and the Gulf South Conference. Championship playoff opportunities are provided in each sport. Each team plays a full schedule of competition with schools throughout the southeastern United States, and many institutions from the Midwestern and Eastern sections of the country visit UWF in the spring. The Argonauts have won 71 GSC championships and seven national championships.

The University sports facilities include a field house (1,180 capacity), twelve lighted tennis courts, a lighted baseball park (2,500 capacity), two lighted softball fields (800 capacity), and a lighted track which encircles the varsity soccer field (500 capacity). The Aquatic Center has an Olympic-sized, heated swimming pool, and two 1M and one 3M spring boards.
Student Services and Resources

ArgoAlert – Emergency Notification System

ArgoAlert is UWF’s way of notifying students, faculty, and staff in case of an emergency. In the event of an emergency at the University of West Florida, a combination of methods would be used to communicate with the campus community. Methods utilized are dependent on the situation. Additional information is available at uwf.emergency.org/notification.cfm (http://uwf.emergency.org/notification.cfm).

- Campus-wide email
- Emergency web site
- Fire Bell/Strobe Light
- Siren/Loud Speaker System
- Internal Building Speaker System
- Verbal Messages
- WUWF 88.1 FM
- WUWF-TV

Text Messages (SMS) and Instant Messages (IM) – All students, faculty, and staff can sign-up to receive text messages (SMS) to their text messaging enabled mobile device. Standard text messaging rates from the subscriber’s mobile carrier will apply. Individuals should follow the instructions in the message.

Bookstore

UWF Bookstore – The Official University Bookstore

In addition to stocking new, used, and rental texts and educational supplies, the bookstore offers a substantial selection of general books, best sellers, study aids, computers, discounted computer software, art supplies, emblematic gifts and clothing, class rings, graduation announcements, residence hall supplies, personal and food items, and other necessities. The bookstore offers many additional services including special orders for books, graduation apparel rentals, and year-round book buy-back. The bookstore accepts all major credit cards, the Nautilus Card, cash, and personal checks. For more information, visit the website at uwf bkstr.com (http://uwf bkstr.com).

BookNow

BookNow is a service which connects UWF’s online registration system to the Bookstore, allowing students to purchase textbooks online immediately after registering for classes. If you choose to buy books, you will be directed into the bookstore’s system and provided with a pre-populated list of required and recommended course materials based on your class schedule. You then can decide which books you wish to purchase, whether to purchase new or used, or to rent books. Purchases may be picked up at the bookstore or shipped to you.

Rental Books

When a student rents their books, they pay, on average, less than half the new book price. A “For Rent” sign will be located beside the book in the store. Rental books must be returned before the end of the term and an online registration form completed before the student can rent again the next term.

Bookstore Deferment Program

If a student plans to use their financial aid award to help pay for their books, the UWF Bookstore has a “Deferment Program” that will allow them to purchase their books before their aid is disbursed. Deferment is an estimated amount of excess financial aid funds based on how much is left over after tuition and fees are paid. The best way to find out if there is excess money, and how much, is to access MyUWF and search for “Account Balance Fees.” If a student has excess funds, they can spend up to $600 at the UWF Bookstore. The Bookstore will have a record of the amount that is available and will ask the student to sign a receipt giving them permission to be reimbursed when their financial aid is disbursed.

Career Services

Career Services at the University of West Florida is the dedicated team providing comprehensive support for students and alumni to explore and pursue a wide variety of career opportunities. The department is focused on helping students acquire the tools necessary to decide on a major, gain experience and refine the tools necessary for life after graduation. In the career planning area, career coaches work with students regarding choosing or changing a major and with the career decision-making process. Career Services staff members assist students with developmental job-search skills such as resume and cover letter writing, interviewing, job search strategies, and evaluating a job offer. Students and alumni can set up one-on-one appointments or attend “drop-in hours” to get answers to quick career-related questions.

Career Services helps students seek ever-important Experiential Learning programs through participating in Cooperative Education (CoOp), internships or volunteering. Individual and group volunteer service programs through local, non-profit organizations add employability value while positively impacting the local community. Current students who register 20 or more service hours in a semester with Career Services will have their hours recorded on their transcript.

Career Services also focuses on making Employer Connections. Employers are invited to interact and network with UWF students and alumni on campus through Career Fairs and Expos, Meet and Greets, and Interview Sessions. Hundreds of employers continually promote their full-time, part-time, internship, CoOp, and volunteer opportunities on JasonQuest, a free job posting and networking database accessible to UWF students. JasonQuest is accessed through a students’ MyUWF account. For more information, visit the Career Services website at uwf.edu/career or stop by Building 19, North foyer, during regular office hours, 8 a.m. to 5 p.m. Monday – Friday.

Cooperative Education

Cooperative Education (CoOp) allows students to gain professionally relevant work experiences that complement their academic studies. Through alternating or paralleling models of study and paid work experience in their intended fields, students in the Cooperative Education Program have an opportunity to professionally explore and apply principles acquired in the classroom. Cooperative Education is always paid, always for credit, and always a multiple semester experience. Cooperative Education is a partnership among employers, students, and the University focused on professional practice and vocational exploration. Vocational exploration confirms academic and career objectives, enhances the development of self-confidence, and develops professional skills in human relations. Courses assume
greater meaning, employment options increase, and educational expenses are partially offset. The student may join an employer in industry, government, or social agencies.

Comprehensive guidelines govern the program. Students enter the program by attending a Cooperative Education Information Session offered through Career Services. Students must then receive departmental recommendation for the program. Once a student has faculty approval and has successfully created an effective resume, he or she can begin to apply and interview for CoOp positions. Upon accepting a CoOp position students will register in the Cooperative Education Program.

Students must have an established UWF GPA to participate in the Cooperative Education program. Undergraduate students must maintain a UWF GPA of at least 2.3. The program is also available at the graduate degree level. To start the program graduate students must have completed at least one semester of graduate study at UWF. Graduate students must maintain a UWF GPA of at least 3.0. Students will participate in either the Alternating CoOp or the Parallel CoOp model. In an Alternating CoOp, students must work at least two full-time semester long assignments. The Alternating Model is separated by a semester of full-time enrollment in courses. While Alternating students are on CoOp assignment they will work 40 hours per week. Alternating CoOps do not enroll in other courses while on assignment. They do not work in their CoOp positions during their coursework semesters.

Parallel CoOp students will work approximately 15-25 hours per week for three consecutive semesters. Undergraduate Parallel CoOp students will enroll in 9-12 credit hours each semester (Fall or Spring), and 6-9 credit hours during the summer. Graduate Parallel CoOp students will enroll in 6-9 credit hours each semester (Fall or Spring), and 3-6 credit hours during the summer. Students must continue to make progress in their courses while participating in the Parallel CoOp Program. Academic consideration may be given for special employer requests requiring back-to-back rotations (Summer/Fall, Spring/Summer). Students that are submitted to employers as CoOp candidates, and accept Cooperative Education positions, are expected to follow program guidelines. A minimum of two alternating or three parallel work terms is required to satisfactorily complete the CoOp Program. Each work term Cooperative Education students enroll in a Cooperative Education credit hour through Career Services. CoOp students are paid by the employers. Students enrolled in a cooperative education course are considered full time for the purpose of enrollment verification regardless of the number of credit hours of the course.

**Child Care**

Child care is available through the Educational Research Center for Child Development on a fee basis for children of students, faculty, staff, and alumni. Regular enrollment is open to children who are six months old through kindergarten age. The ERCCD is accredited and a site for the Florida VPK program. An after school program for ages 6 through 10 is available. The Center also has a summer only School Age Camp that accepts children through age 10. No transportation is provided. While students are given priority in placement, prospective students are urged to make application for child care as early as possible. The center is staffed by professionals in the field of education and provides a broad range of learning experiences for each child and opportunities for research, internships, and supervised teaching experiences for University students. Visit the website at uwf.edu/childdev.

**Copy Services**

Most copiers on campus are equipped with Nautilus Card readers. Money may be added to a Nautilus Card at any Automatic Deposit Machine (ADM) or at the Cashier’s Office in Building 20E. Copies made with a personal Nautilus Card cost 8 cents. 11”x17” copies count as two copies. Student copiers are located in the Pace Library, Professional Studies Library, Commons Cyberlab, and the Science and Engineering Building. There is a color copier available for student use on the first floor of the Pace Library and it will copy sizes up to 11”x17”. All copiers have a scan function. Documents may be printed from a USB (tif or jpg only) or saved to a USB (tif, jpg, or PDF). For additional information, call the Auxiliary Services’ Office at (850) 474-3012 or visit uwf.edu/copyserv/external/students.cfm.

**Counseling and Wellness**

Counseling and Wellness Services has two areas: Counseling Services and Wellness Services, both located in Building 960. These areas work collaboratively to create a culture at UWF in which students value and nurture both physical and mental health. Each area also works independently, providing unique contributions to the UWF campus community.

Counseling Services provides confidential personal, vocational, and couples counseling to students free of charge. Psychologists and counselors help students with problems including depression, test anxiety, vocational indecision, relationship difficulties, sexual concerns, interpersonal conflict, identity confusion, substance abuse, stress management or other personal difficulties which may impede a student’s academic progress. We have a thriving groups program including personal growth groups, therapy groups and support groups. We also sponsor workshops on various topics, including stress and time management, romantic relationships, interpersonal and personal functioning.

Wellness Services is the focal point on campus for student health education. Wellness staff members provide workshops, awareness events, health marketing campaigns, and other educational programming in the areas of alcohol and other drug misuse/abuse prevention, STI/HIV prevention and sexual health promotion, and sexual assault prevention and risk reduction. These services are initiated campus-wide and are offered to student groups, organizations, residence halls, and classes. Wellness Services also works with the UWF Peer Educators to promote student driven health efforts on campus.

**Dining Services**

Dining Services locations on campus are as follows:

**University Commons**: Nautilus Market (All-You-Care-to-Eat and Meal Plan dining facility), Argo Galley, Quiznos’ Sub, and Chick-N-Grill

**Pace Library**: “We Proudly Serve” Starbucks

**HLES Facility**: Terra Juice

**College of Professional Studies Building**: Sub Generation

**Science and Engineering Building**: Outtakes

**College of Business Building**: Outtakes

**Presidents Hall**: Papa Johns Pizza/Outtakes

**Outdoor Cafe**: Bistro Blue food truck

All dining locations accept cash, credit cards, and the Nautilus Card. Meal plans may only be used in the Nautilus Market. First-
time-in-college students living in University housing are required to participate in the mandatory meal plan their first two semesters on campus (summer residence not included). Mandatory participants will automatically receive the 12 Meal Plan (the default), but may choose to upgrade to the 15 meal plan. Savings on meal costs are available to resident and nonresident students with Meal Plans. There are many meal and block plans from which to choose. Catering services for special functions are also available. Detailed information about campus dining may be obtained from the UWF Dining Services’ Office or by visiting dineoncampus.com/uwf (http://www.dineoncampus.com/uwf) and on Facebook at facebook.com/UWFDining (http://www.facebook.com/UWFDining).

Disability Services for Students

The Student Disability Resource Center provides assistance for eligible students with disabilities by ensuring that appropriate academic accommodations are made. Accommodations vary by individual and may include interpretive services, testing accommodations, assistive technology, and note taking assistance. Appropriate academic accommodations will be determined based on the documented needs of the individual. For more information, please contact the Student Disability Resource Center, Building 19, (850) 474-2387 (V/TDD: (850) 857-6107), or uwf.edu/sdrc.

Emergency Management

The Office of Emergency Management (OEM) at the University of West Florida is responsible for ensuring the campus is prepared for crisis situations, whether they are due to natural or man-made causes that could negatively affect the health and safety of the campus community. More information is available at uwf.edu/ermgt/index.cfm.

Escort Service

The Campus Escort Service is available to ensure the safety of all university students, personnel, and visitors upon request. The service is provided between car and building or building to building, day and night, year round. Qualified, supervised student personnel provide the escort service Monday through Friday while the university is in session, from 8 a.m. to midnight. During all other times, the University Police will provide escort service on an as-available basis. The service can be requested by calling (850) 474-2415 or from any blue light pole on campus.

Health Services

Student Health Services, located in Building 960, provides primary care for all currently enrolled students. While the cost to see a provider is covered by the student health fee, there are nominal charges for labs, immunizations, and certain exams, procedures, and treatments. Students are seen by appointment only. The clinic is open Monday, Wednesday, and Friday from 8 am - 5 pm and Tuesday and Thursday from 9 am - 5 pm. Appointments can be made in person or by calling (850) 474-2172.

Housing and Residence Life

A variety of University housing options are available to students wishing to live on campus. UWF has eight residential areas. The Residence Halls, including Martin, Argo, Pace, and Southside Villages, provide double and triple occupancy with a private bath in each room. Heritage Hall and Presidents Hall provide suite-style accommodations and offer single or double bedrooms. The Village East and West Apartments consist of apartment-style accommodations for upper division students. The Village Apartments offer two and four person furnished units. Different types of room styles, configurations, and rental rates are available to meet the needs of UWF students. Students may also choose to reside in a Living and Learning Community. Please refer to our website at uwf.edu/housing for further information. The residential areas offer a variety of amenities including furnishings, laundry facilities, private bathrooms, refrigerator/microwave units, area offices, courtyards, student lounges, study areas, paid utilities, basic cable, and Internet access. Major kitchen appliances are provided in each Village Apartment. Residence Life staff, including Hall Directors and Resident Assistants (RAs), reside within all areas to help resident students build communities. Staff members offer a variety of educational, cultural, and social programs for residents.

Housing contracts are collected on a first-come, first-served basis. This process is based on the date the contract is received by the University online. Prospective students are urged to submit their University housing contract as soon as they are accepted to the University with a priority deadline of May 1st. The University Housing contract process is separate from the UWF admission process. Students will complete a contract online at uwf.edu/housing and will provide a prepayment and a processing fee to the UWF Cashier’s Office or online. The term of the contract is for the fall and spring semesters (one full academic year). Housing for the summer term is also available for students taking summer courses. For information regarding University housing please contact the Department of Housing and Residence Life at (850) 474-2463 or visit the housing website at uwf.edu/housing.

ID/Nautilus Card

The Nautilus Card is UWF’s official identification card. It is not the same as the HigherOne debit card. The Nautilus Card serves as a debit account, access card, credit card, meal plan card, and a declining balance card. When money is deposited into the Nautilus Card account, it can be used to make purchases at the UWF Bookstore, Dining Services locations, the Ticket Center, Parking Services, most vending machines on campus, and some laundry locations. Students may also use the card to pay tuition, tickets, fees or fines at the Cashier’s Office. Deposits may be made at the Cashier’s Office, via their MyUWF account, or at one of the automatic deposit machines (ADM) conveniently located around campus. Additionally, students may elect to have excess Financial Aid funds placed on their Nautilus Card after all tuition and fees have been paid. Students may view their account information online via their MyUWF account, including card balances, swipe history (financial and access), and meal plan information.

Students registering for on-campus classes will be assessed an annual I.D. fee of $10. If a student’s card is lost or stolen, he or she must contact the Nautilus Card Office immediately or contact the UWF Police after regular business hours, on weekends, and holidays. The cost for a replacement card is $15. Contact the Nautilus Card Office in Building 20W, at (850) 474-3324, or at uwf.edu/idcard.

Information Technology Services

UWF provides students with access to a variety of quality information technology services and resources. Many of these resources are provided by the central IT department (called ITS) and others are provided by individual colleges and departments. Information on all ITS services is available on the “IT Help” tab in ARGUS and at uwf.edu/its.

ArgoNet Account

Your ArgoNet username and password allow you to use UWF technology and online services. Never share your password with
anyone because it provides access to your confidential personal information and coursework.

**MyUWF**

MyUWF (my.uwf.edu) contains all of the online services used by UWF students including email, eLearning classes, class registration, grades, ArgoPulse, eDesktop virtual computer lab, academic records, financial resources, file storage and web hosting space.

**UWF Email**

Students access email at gmail.students.uwf.edu. As a student, your email address is your ArgoNet username followed by “@students.uwf.edu” (ex. abc1@students.uwf.edu). Faculty and staff email addresses end with “@uwf.edu” (ex. aclark@uwf.edu). UWF Google Apps also contains Google Calendar, Google Docs, Google Sites, and Google Chat. More information is available at uwf.edu/helpdesk/google.

**eLearning**

eLearning is UWF’s online course system. It contains your fully online courses as well as online materials that supplement your face-to-face courses. eLearning enhances the online learning experience through web pages, discussion groups, blogs, and more. You can access eLearning through my.uwf.edu - search for “eLearning.” Some online courses also use Elluminate, a web-conferencing tool that enables instructors and students to meet in a virtual classroom. More information on eLearning is available at uwf.edu/helpdesk/support/stuelearning.cfm.

**ArgoAir Wireless Network**

ArgoAir is UWF’s on-campus wireless network. ArgoAir allows you to be mobile at UWF and connect to the Internet from many locations throughout campus including the John C. Pace Library, the University Commons, and most classrooms and administrative buildings. In Pensacola, the coverage area extends to some outdoor green areas. ArgoAir is safe and secure and only available to UWF students and employees. You must configure your wireless settings to connect. Setup instructions are available at uwf.edu/helpdesk/internetaccess/wireless.

**Campus Computer Labs**

UWF has three general purpose computer labs, among many other departmental computer labs available for student use. On the Pensacola campus, the Building 79 Lab and the CyberLounge in the University Commons offer high-end computers, laser printers, high-speed Internet, DVD drives, CD burners, and a variety of software. Student technicians are available to answer questions. Computer lab hours and locations are available at uwf.edu/computerlabs.

**eDesktop Virtual Computer Lab**

When you need to use computer lab software but you don’t have easy access to a campus computer lab, you can use the eDesktop virtual computer lab. With eDesktop you can access University-licensed computer applications from any computer with a high-speed Internet connection. When using eDesktop, your computer displays a virtual version of a UWF computer lab computer, making it appear as though you are sitting in front of a workstation in a campus lab, complete with the most frequently used computer applications. Essentially, eDesktop allows you to work on a lab computer from home, a residence hall, or around the world. eDesktop is available through my.uwf.edu - search for “eDesktop.” More information on eDesktop is available at uwf.edu/helpdesk/support/edesktop.

**Personal File Storage Space (H: drive) and Web Publishing Space (I: drive)**

UWF students receive academic file storage (H: drive) and web publishing space (I: drive) on the UWF server (200MB total). Files are automatically backed up every hour. Files saved to your H: drive are only accessible with your ArgoNet password; files saved to your I: drive are posted to the Internet. Your H: and I: drives are available through my.uwf.edu - search for "File Storage." You will also find links to your H: and I: drives in eDesktop and campus computer labs. More information on personal storage space is available at uwf.edu/helpdesk/support/filestorage/personal.cfm.

**Protect Your PC**

Each student is responsible for keeping his or her computer free of viruses and spyware. To help, UWF provides free McAfee anti-virus software. Most new computers come with a trial copy of anti-virus software, but when it expires your computer becomes vulnerable. It’s important to use a non-trial version such as the software provided by UWF. Download McAfee through my.uwf.edu - search for "Software." You should also regularly scan your computer for spyware with a legitimate anti-spyware program such as Malwarebytes’ Anti-Malware (malwarebytes.org). More information on protecting your PC is available at uwf.edu/helpdesk/computersecurity.

**ITS Help Desk**

The Information Technology Services (ITS) Help Desk is the primary support provider for UWF technology. Students are encouraged to contact the ITS Help Desk for assistance with UWF technology resources. Help Desk analysts are available via phone: (850) 474-2075, email: helpdesk@uwf.edu, and chat: uwf.edu/helpdesk. For self-service help, visit uwf.edu/helpdesk. A list of supported services is available at uwf.edu/helpdesk/aboutus/whatwesupport.

**Libraries**

The University of West Florida Libraries include the John C. Pace Library and the Professional Studies Library on the Pensacola campus and the Fort Walton Beach Campus Library on the Fort Walton Beach campus. Through the libraries’ Internet-based home page, library.uwf.edu, students at all locations have access to the catalog of materials held by all UWF libraries, to a multitude of electronic reference databases and indexes, and to full-text journal articles and books. For those materials not held locally or electronically, students may request interlibrary loan. Professional librarians are available at all locations to assist students in the effective use of materials, the computerized library system, and with retrieving materials through intercampus or interlibrary loan.

**Pensacola Campus/John C. Pace Library**

The John C. Pace Library houses more than 850,000 volumes, over 1.7 million microform pieces, over 6,700 print and electronic serials subscriptions and has access to online articles from over 50,000 serials. The library is also a regional depository for U.S. and Florida government publications. The Special Collections unit contains over one million unique items relating to Pensacola and to the historic West Florida region.
Emerald Coast Campus Library

The Emerald Coast Campus Library is located in Fort Walton Beach and provides access to information resources which support courses taught on that campus. The collection has over 27,000 volumes and dozens of print serials subscriptions. Emerald Coast students also have access to all electronic resources including online books, databases, and journals. Items held at the Pace Library can be retrieved for use at the Emerald Coast Campus locations.

Postal Services

The University operates a full-service post office housed in the University Commons. Postal services include student mailboxes (offered free of charge to students living in University housing), money orders, stamp sales, overnight Express Mail, Priority and First-Class mail, media mail, 10 campus mail drops, package mailing and delivery services, and address changes. For additional information, contact Postal Services at (850)474-2436 or visit the website at uwf.edu/postal/

Student Printing

Student printing services are offered via 25 kiosks on the Pensacola campus and 1 on the FWB campus in the library. Students may print from their home computer, smartphone device, online or using USB at any of the kiosks. The kiosks accept most PC and MAC files. Prints are 8.5”x11” and may be color or black/white, simplex or duplex. For additional information, contact the Nautilus Card office at (850) 474-3324 or visit uwf.edu/studentprinting.

Recreation and Sports Services

Located in University Park, the Health, Leisure, and Sports (HLS) Facility and Aquatic Center are managed by Recreation and Sports Services providing leisure and fitness activities for students, faculty, and staff. Seven program areas are designed to meet diverse campus recreation needs, including Aquatics, Fitness/Wellness, Instructional Programs, Intramural Sports, Facility Operations, Sport Clubs, and Outdoor Adventures. For further information, visit uwf.edu/recreation.

The Fitness Center

The $15M HLS Facility houses the Fitness Center, with over 10,000 sq. ft. of workout space, and offers the perfect environment for personal training and fitness assessment for individuals at all fitness levels. A wide variety of group fitness classes are taught six days a week. Enjoy reasonably priced massage therapy after a strength training or aerobic workout. The Climbing Center is a state-of-the-art, indoor wall accommodating all abilities and experience levels. At 36 ft. tall, it has plenty of challenges for everyone. There is top-rope climbing as well as bouldering. Routes are changed regularly to provide new challenges for regular visitors.

Intramural Sports

The purpose of intramural sports is to provide a comprehensive and diverse program of both competitive and recreational experiences. The program is designed to meet the needs and interests of currently enrolled students, faculty, and staff members. More than 40 activities are offered featuring team sports, individual/dual sports, meets, and special events.

The Sport Clubs Program

The Sport Clubs program provides specialized sports instruction and extramural competition. Established clubs include Aquatic Racing, Ballroom Dance, Cheerleading, Climbing, Cycling, Dance, Fencing, Handball, Lacrosse, Men’s Rugby, Paintball, Pura Sabrosura, Running, Sailing, SCUBA, Shotokan Karate, Soccer, Surf, Table Tennis, Ultimate Frisbee, Water-ski & Wakeboard, and Wrestling.

The Outdoor Adventure Program

Outdoor Adventures provides outdoor trip experiences and training to members of the University campus community. Activities include rock climbing, canoeing, backpacking, rafting, and other nontraditional human-powered outdoor sports. No experience is necessary and all events are open to beginners.

The University Aquatic Center

The Aquatic Center has an Olympic-sized, heated swimming pool, two 1M and one 3M spring boards, whirlpool and dry sauna. A hydraulic lift and an Aqua Step enable use by physically challenged individuals. Curriculum includes swim lessons and advanced courses in Lifeguard Training, CPR, First Aid, and Water Safety Instructor. The Aquatic Racing Club invites competitors to join and Swim Club welcomes the
The UWF Student Ombudsman CAN ASSIST students by
necessary to resolve the issue.
staff member, acts as an impartial campus resource by evaluating
Ombudsperson. The Student Ombudsperson, a full-time University
- both academic and nonacademic - should contact the UWF Student
assistance related to their University of West Florida (UWF) experience
difference of opinion with instructors, interpretation of university
concern or grievance. Such problems may be related to grades,
designated neutral party for those who may have a University-related
resolution. The role of the ombudsperson is to serve as a resource and
to complement other existing channels of communication and conflict
The ombudsperson serves as an alternate resource for all students
Student Ombudsperson
handouts from the website: uwf.edu/writelab.
information, contact the Writing Lab at (850) 474-2129 or send email
to writelab@uwf.edu. Download the Write Advice Newsletters and
valuable services, which are available 40 hours a week. For additional
including writing effective college papers. The Writing Lab offers many
the Writing Lab for assistance with spoken and written English,
faculty, administrators, and staff. Any University student may use
The Writing Lab, located in Building 51, offers services to students,
faculty, administrators, and staff. Any University student may use
Writing Lab for assistance with spoken and written English,
undergraduate and graduate majors. The Lab is located in Bldg. 4
Room 321. Lab hours are: Monday-Thursday 9:00-5:00 and Friday
9:00-1:00. For further information, contact Dr. Franco Fedele, (850) 474-2276, with the Math Department.
The UWF Writing Lab
The Writing Lab, located in Building 51, offers services to students,

The UWF Student Ombudsman DOES NOT
• Provide legal advice
• Have the authority to change University policies or procedures
• Have the authority to over-turn decisions made by other University
officials
• Act as a student’s advisor in student conduct hearings or grievance
processes
The Associate Dean of Students / Director of Inclusion Services
and Programs, Dr. Lusharon Wiley, is the UWF Student
Ombudsperson. Her office is located in the Dean of Students Office in
Building 21/ Room 130 or call (850) 474-2384.
Student Advocate
In addition to the Student Ombudsperson, a Student Advocate is
available to assist students with information regarding University
policies, grievance procedures, and appeal procedures. The
Student Advocate may also serve as a facilitator in the resolution of
disagreements, grievances or otherwise unsatisfactory conditions.
The Student Advocate, a UWF student, is appointed by the Student
Government Association (SGA) President. Students wishing to speak
with the Student Advocate should go to the SGA Office located in the
University Commons, Room 227 or call the office at (850) 474-2393.
Student Success Programs
Student Success is responsible for the administration of programs
designed to increase recruitment, retention and graduation rates of
participating students. Student Success Programs provide academic
support services for students enrolled at the University. Contact:
Student Success, Building 18, Room 137, (850) 474-3266, or uwf.edu/
studentsuccess/.
Brother to Brother
Brother to Brother is a pilot mentoring component designed to increase
retention and graduation rates of African-American, Latino, and
Hispanic males. Contact: Brother-to-Brother, Building 18, Room 137,
(850) 474-2253/2238/3421 or uwf.edu/studentuccess/programs.cfm.
The Learning Center
The Learning Center provides free tutorial assistance and academic
support services to all students, including distance learners enrolled
at the University of West Florida. The Learning Center is located
in Building 52, Room 131. Please contact (850) 474-3488 or visit
uwf.edu/learningcenter/.
Mentoring Program
The Mentoring Program pairs juniors with freshmen for a two year
mentorship. When the freshman student becomes a junior the student
will become a mentor, creating a cascading mentoring program.
TRIO/Student Support Services Program
Student Support Services Program (SSS) is a federally-funded TRiO
program which provides academic support for eligible undergraduate
students. Services include: tutoring, intrusive advising, career planning,
cultural and social activities, and academic intervention. The TriO/SSS
serves low income, first generation students and disabled students.
Contact: Student Support Services, Building 18/Room 145, (850) 474
3212 or uwf.edu/triosss/.
Testing

The Testing Center offers information on numerous testing programs, and can provide specific information about the following tests:

- ACT Program
- College Level Examination Program (CLEP)
- Teacher Certification Examination (FTCE)
- Graduate Management Admission Test (GMAT)
- Graduate Record Exam (GRE)
- Law School Admission Test (LSAT)
- Medical College Admission Test (MCAT)
- Miller Analogies Test (MAT)
- Computerized Pre-professional Skills Tests for Teachers (PRAXIS)
- SAT Reasoning Test & Subject Tests
- Test Of English as a Foreign language (TOEFL)
- Test of Essential Academic Skills (TEAS)

The Testing Center also has a computer-based testing center (CBT). The following exams are currently administered via computer at UWF: GRE, MAT, TOEFL, PRAXIS, CLEP, TEAS and several others.

University Police

The University Police Department's mission is to provide for the safety and security of students, faculty, staff, and visitors, as well as facilities security. The department provides a full range of police and security services to include uniform patrol, investigations, crime prevention, and victim advocate personnel. The department is comprised of sworn police officers, communications personnel, and security officers who are available 24 hours a day. The possession and/or use of firearms is prohibited on campus.

Campus Sex Crime Prevention Act

This federal law is aimed at tracking convicted sex offenders enrolled at or employed by institutions of higher education. The act requires sex offenders registered with the state to provide notice to the state of each institution of higher education that the offender is employed, carries on a vocation, or is enrolled as a student. To obtain additional information on this act or a listing of convicted offenders at the University, contact uwf.edu/uwpolice/ or the University Police Department.

Jeanne Clery Disclosure for Campus Security Policy and Campus Crime Statistics Act

This is a federal law requiring institutions of higher education to disclose campus security information, including crime statistics for the campus and surrounding area. Current and prospective students or employees have the right to obtain a copy of this information for this institution. Students may review this information by accessing the federal government website at ope.ed.gov/security/search.asp (http://ope.ed.gov/security/search.asp) (by typing in the "University of West Florida") or by accessing the University website at uwf.edu/uwpolice/. Students may also obtain a copy of this information upon request by contacting the University Police Department.

Vending Services/Beverage Rights

Beverage and snack vending machines are located in most buildings on campus, including residence halls. Only Buffalo Rock/Pepsi brand beverages are being sold on the Pensacola campus. Your Nautilus Card may be used at most of the vending locations.

All beverage products being used for University events should be Buffalo Rock/Pepsi products regardless of the funding source used to purchase the products. Competitive products, even if donated, should not be served at University events on the Pensacola campus. For additional information, contact the Auxiliary Services Office at (850) 474-2640.

Voter Registration

State law requires colleges and universities to provide each enrolled student the opportunity to apply to register to vote or to update their voter registration records at least once a year. Voter registration information at the University may be obtained during orientation, or at various locations around campus, including the University Commons, Student Affairs, Registrar, the Fort Walton Beach Campus, or Advising Center. For further information on this amendment, contact Student Affairs. Students with disabilities may obtain information and assistance in filling out the cards at the Student Disability Resource Center.
Undergraduate Degrees and Areas of Specialization

For information on Master’s, Specialist, and Doctoral Degrees, see the Graduate Catalog.

UWF awards the following Undergraduate Degrees:

**Associate of Arts (A.A.) Degree Specializations**

General (http://catalog.uwf.edu/undergraduate/associatearts)

Pre-Engineering (p. 239)

Pre-Pharmacy (p. 241)

**Bachelor’s Degrees**

B.A. - Bachelor of Arts
B.F.A. - Bachelor of Fine Arts
B.M. - Bachelor of Music
B.M.E. - Bachelor of Music Education
B.S. - Bachelor of Science
B.S.B.A. - Bachelor of Science in Business Administration
B.S.C.E. - Bachelor of Science in Computer Engineering
B.S.E.E. - Bachelor of Science in Electrical Engineering
B.S.N. - Bachelor of Science in Nursing*

• Accounting, B.S.B.A. (p. 65)
• Anthropology, B.A. (p. 68)
  • Archaeology
  • Biological Anthropology
  • Cultural Anthropology
  • General Anthropology
• Art, B.A. (p. 73)
  • Art History
  • Graphic Design
  • Studio Art
• Arts, Fine, B.F.A. (p. 162)
  • Art
  • Digital Art
• Athletic Training, B.S. (http://catalog.uwf.edu/undergraduate/athletic-training)*
• Biology, B.S. (p. 77)
  • General Biology
  • Pre-Professional/Medical Sciences
• Business, General B.S.B.A. (p. 82)
• Career & Technical Education, B.S. (p. 85)
  • Workforce and Program Development
• Chemistry, B.A (p. 88).
  • Chemistry
  • Chemistry/Biochemistry
• Chemistry, B.S. (p. 94)
  • Chemistry
  • Chemistry/Biochemistry
  • Clinical Laboratory Sciences, B.S. (p. 99)*
  • Communication Arts, B.A. (p. 102)
    • Advertising
    • Journalism
    • Communication
    • Public Relations
    • Telecommunication & Film
• Community Health Education, B.S. (p. 107)
• Computer Engineering, B.S.C.E. (p. 110)
• Computer Science, B.S. (p. 114)
  • Computer Information Systems
  • Computer Science
  • Software Engineering
• Criminal Justice, B.A. (p. 122)**
• Economics, B.A. (p. 125)
• Economics (Business), B.S.B.A. (p. 128)
  • Comprehensive Economics
  • Global Economics
• Education, Elementary, B.A. (p. 136)
  • Elementary Education Certification
  • Educational Studies
• Education, (p. 155) Exceptional Student, (p. 155) B.A. (p. 155)
  • Exceptional Student Education Certification
  • Educational Studies
• Education, Music, B.M.E. (p. 221)
• Electrical Engineering, B.S.E.E. (p. 132)
• Engineering Technology, B.S. (p. 140)
  • Building Construction
  • Information Engineering Technology
• English, B.A. (p. 145)
  • English/Liberal Arts
  • English/Writing
• Environmental Science, B.S. (p. 149)
  • Environmental Management
  • Natural Science
• Finance, B.S.B.A. (p. 159)
• Health, Leisure & Exercise Science, B.S. (p. 165)
  • Exercise Science
  • Physical Education
  • Physical Education/Teacher Education
  • Sport Management
• Health Sciences, B.S. (p. 175)
  • Aging Studies
  • Allied Health
  • Communication
  • Health Care Administration
  • Health Care Professional
  • Medical Information Technology
  • Psychology of Health
  • Public Health
• History, B.A. (p. 179)
• History
• Pre-Law
• Hospitality, Recreation, & Resort Management, B.S. (p. 182)
• Humanities, Interdisciplinary, B.A. (p. 185)
  • Arts Administration
  • Women’s and Gender Studies
• Information Technology, Interdisciplinary, B.S. (p. 189)
  • Digital Enterprise
  • Information Technology
  • Networking & Telecommunication Technologies
• International Studies, B.A. (p. 192)
• Legal Studies, B.A. (p. 195)
• Management, B.S.B.A. (p. 198)
• Management Information Systems, B.S.B.A. (p. 201)
• Marine Biology, B.S. (p. 204)
• Maritime Studies, B.A. (p. 207)
• Marketing, B.S.B.A. (p. 210)
  • Comprehensive Marketing
  • Global Marketing
  • Sales Management
  • Supply Chain Logistics
• Mathematics, B.S. (p. 215)
• Music, B.M. (p. 218)
  • Music Performance
• Nursing, B.S.N.*
  • B.S.N. (p. 224)
  • R.N./B.S.N. (p. 227)
• Philosophy, B.A. (p. 230)
• Physics, B.S. (p. 233)
  • Engineering Physics
  • Physics
• Political Science, B.A. (p. 236)
  • Political Science
  • Pre-Law
• Psychology, B.A. (p. 244)
• Sciences, Interdisciplinary, B.S. (p. 252)
  • Pre-Pharmacy
  • ZOO Science
• Social Sciences, Interdisciplinary, B.A. (p. 257)
  • Children and Society
  • Diversity Studies
• Social Work, B.A. (p. 261)
• Theatre, B.A. (p. 265)
• Theatre, B.F.A. (p. 268)

* Limited Access programs
** Accelerated Bachelor to Master’s program option available

Special Programs

• Teacher Education Programs (http://catalog.uwf.edu/undergraduate/teachereducation)
• Reserve Officers Training Corps (ROTC)

• Air Force (p. 251)
• Army (p. 249)

Minors

• Accounting (p. 67)
• Africana Studies (p. 71)
• Aging Studies Interdisciplinary (p. 261)
• Anthropology (p. 68)
• Art (p. 73)
• Biology (p. 77)
• Building Construction (p. 140)
• Business (p. 210)
• Business Economics (p. 128)
• Chemistry (p. 88)
• Child Welfare (p. 261)
• Community Health Promotion (p. 107)
• Computer Engineering (p. 110)
• Computer Information Systems (p. 114)
• Computer Science (p. 114)
• Criminal Justice (p. 122)
• e-Business (p. 210)
• Economic Policy (p. 125)
• Education, Early Childhood (p. 136)
• Education, Professional (p. 243)
• Electrical Engineering (p. 132)
• English (p. 145)
• Environmental Science (p. 149)
• Exceptional Student Education (p. 155)
• Finance (p. 159)
• Forensic Studies (p. 122)
• General Communication (p. 102)
• Geography (p. 149)
• History (p. 179)
• Hospitality, Recreation, & Resort Management (p. 182)
• International Studies (p. 192)
• Information Technology (p. 114)
• Juvenile Justice (p. 122)
• Latin American Studies (p. 68)
• Leadership Communication (p. 102)
• Management (p. 198)
• Management Information Systems (p. 201)
• Maritime Studies (p. 207)
• Marketing (p. 210)
• Marketing Applications (p. 210)
• Mathematics (p. 215)
• Military Science (ROTC students only) (p. 249)
• Music (p. 218)
• Philosophy (p. 230)
• Physics (p. 233)
• Political Science (p. 236)
• Pre-Law/History (p. 179)
• Pre-Law/Legal Studies (p. 195)
• Pre-Law/Political Science (p. 236)
• Psychology (p. 244)
• Public Administration (p. 248)
• Quantitative Economics (p. 125)
• Social Welfare (p. 261)
• Sociology (p. 68)
• Spanish (p. )
• Sport and Exercise Psychology (p. 244)
• Substance Abuse (p. 261)
• Theatre (p. 265)
• Women’s Studies (p. 185)

**Majors Available at the Emerald Coast Campuses**

**BACHELOR’S DEGREES**

• Accounting, B.S.B.A.*
• Business, General, B.S.B.A.
• Computer Engineering, B.S.C.E.
• Computer Science, B.S.*
• Criminal Justice, B.A.
• Electrical Engineering, B.S.E.E
• Hospitality, Recreation, & Resort Management, B.S.*
• Management, B.S.B.A.
• Social Sciences, Interdisciplinary, B.A.
  • Children and Society

*Students who wish to pursue their degree full time will have to take classes periodically in Pensacola.

**Majors Available at the UWF Online Campus**

**BACHELOR’S DEGREES**

• Career & Technical Education, B.S.
  • Workforce and Program Development
• Engineering Technology, B.S.
  • Information Engineering Technology
• Exceptional Student Education, B.A.
• Health Sciences, B.S.
• Information Technology, Interdisciplinary, B.S.
  • Networking and Telecommunications
• Maritime Studies, B.A.
• Nursing, R.N. to B.S.N.
• Oceanography, B.S.

**Required upper division courses available online. Students may need to complete some lower division courses at another regionally accredited institution.**
Undergraduate Certificate Programs

The University offers a variety of certificate programs to pursue as a stand alone certificate, to complete in conjunction with a bachelor’s degree, or to take for professional development. Requirements are determined by the academic department offering the certificate. Upon approval and notification to the Office of the Registrar from the academic department, awarding of a certificate is listed on the transcript. Actual certificates of recognition may or may not be issued by the academic department. Contact the academic department offering the certificate program for more information, including application procedures. For information regarding VA certification of certificate programs, please contact the Military and Veteran’s Resource Center (MVRC) (http://uwf.edu/mvrc). The following certificate programs are credit-bearing and currently offered at the undergraduate level:

Applied Ethics (p. 232)
Arabic Language and Culture (p. 72)
Career and Technical Education Program (p. 86)
Children’s Services (p. 264)
Database Systems (p. 120)
Electrical Engineering (p. 135)
Evolutionary Biology (p. 80)
Financial Institutions Certificate Level 1 (p. 161)
Financial Institutions Certificate Level 2 (p. 161)
Geographic Information Science (p. 154)
German Business Language and Culture (p. 148)
Human Resources (p. 247)
Human Resources Management (p.)
Information Technology (p. 120)
Java Net-Centric Programming (p. 121)
Leadership Communication (p. 106)
Management Development (p. 200)
Marketing Technology (p. 214)
Medical Informatics (p. 175)
Microsoft Certified Systems Administration (p. 217)
Molecular Science (p. 81)
Physiology (p. 81)
Plant Science (p. 81)
Public Health: Occupational Safety and Health (p. 178)
Public Health: Readiness and Response (p. 178)
Sales Management (p. 214)
Small Business Management/Entrepreneurship (p. 200)
Spanish Business Language and Culture (p. 148)
Supply Chain Logistics (p. 214)
Technology Systems Support (p. 144)
Web Development Technologies (p. 121)
Accounting

The B.S.B.A. in Accounting is designed to provide students with basic conceptual accounting and business knowledge as a foundation for career development. The Accounting Specialization also provides the traditional background in accounting and is the first step towards state designation as a Certified Public Accountant (CPA).

Program Requirements

In addition to the university’s general requirements, students seeking the B.S.B.A. in Accounting must meet the requirements listed below. Students should consult their academic advisors for courses which may satisfy both the General Studies requirements and Common Prerequisites.

A minimum course grade of “C” is required in all COB prerequisites and courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

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<td>STA 2023</td>
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</table>

| Social Sciences             | 9 |

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities

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<td>LIT 2030</td>
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<td>LIT 2040</td>
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<td>LIT 1122</td>
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<tr>
<td>LIT 2100</td>
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Fine Arts:

| ARH 1010                    | 3 |
| ARH 2050                    | 3 |
| ARH 2051                    | 3 |
| ART 1015C                   | 3 |
| ART 2821                    | 3 |
| MUH 2930                    | 3 |
| MUL 2110                    | 3 |
| THE 2000                    | 3 |
| THE 2300                    | 3 |

Contemporary Values and Expressions:

| PHI 2010                    | 3 |
| PHI 2100                    | 3 |
| PHI 2103                    | 3 |
| PHI 2603                    | 3 |
| REL 1300                    | 3 |
| SPC 2608                    | 3 |

Natural Sciences

| 7 |
Take two of the following courses, including at least one with lab:

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<th>Course</th>
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<td>BOT 2010+L</td>
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<tr>
<td>BSC 1005</td>
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<td>GEO 1200+L</td>
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<td>GEO 2330</td>
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<td>GLY 2010</td>
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<td>GLY 2010L</td>
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<td>MCB 1000</td>
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<td>PHY 1020</td>
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<td>ZOO 1010+L</td>
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<td>ACG 3401</td>
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<td>ACG 4151</td>
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<tr>
<td>ACG 4201</td>
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</table>

Total Semester Hours: 36-37

Accounting majors should take SPC 2608 Basic Communication Skills to satisfy the humanities/values and expressions component, STA 2023 Elements of Statistics and MAC 2233 Calculus with Business Applications to satisfy the mathematics component, and ECO 2013 Principles of Economics Macro to satisfy the social science/socio-political component of General Studies.

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual for course substitutions from Florida colleges and universities.

<table>
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<th>Course</th>
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<td>CGS 2570</td>
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<td>ECO 2013</td>
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<td>MAC 2233</td>
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<td>STA 2023</td>
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</table>

Total Hours: 21

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 3-12 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 3-12

Upper Division
College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

<table>
<thead>
<tr>
<th>Course</th>
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<td>FIN 3403</td>
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<td>GEB 4361</td>
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<td>ISM 3011</td>
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<td>MAN 3025</td>
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<td>MAN 4720</td>
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<td>MAR 3023</td>
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Total Hours: 30

Accounting Specialization

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<td>ACG 4201</td>
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</table>
ACG 4651  Auditing  3
TAX 4001  Tax Accounting  3
ACG 4501  Governmental and Non-Profit Accounting  3
or TAX 4012  Corporate Income Tax  
3000/4000 level advisor-approved elective  3

Total Hours  30

**Minors**

A grade of “C” or higher is required for all courses in the minors.

**Accounting**

The Minor in Accounting exposes students to all functional areas of accounting and is primarily designed for COB students in majors other than Accounting.

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<td>ACG 3343</td>
<td>Cost Accounting</td>
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<tr>
<td>ACG 3401</td>
<td>Accounting Information Systems</td>
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</tr>
<tr>
<td>ACG 4651</td>
<td>Auditing</td>
<td>3</td>
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<tr>
<td>TAX 4001</td>
<td>Tax Accounting</td>
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<tr>
<td>or TAX 3021</td>
<td>Tax For Decision Makers</td>
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Students who have not completed the COB core will need to complete the following prerequisite courses:

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<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
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<td>Personal Computer Applications</td>
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<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
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<td>FIN 3403</td>
<td>Managerial Finance</td>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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</table>

Total Hours 18-39
Anthropology

The B.A. in Anthropology provides a broad base of information about human culture and what makes humans unique. Culture is the totality of what humans learn and the basis for how humans define the world. Anthropologists study all kinds of individual cultures, both living and dead and simple and complex, in order to gain an understanding of culture as a human phenomenon. The very nature of anthropology is multicultural and historical. This program is hands-on, and students regularly participate in faculty-directed research projects in the Pensacola area. Senior internships and cooperative programs with private firms and government agencies also provide on-the-job training and can lead to employment. The B.A. in Anthropology is a springboard to a wide range of jobs in the private or government sectors, as well as continuing one's academic career after graduation.

Program Requirements

In addition to the university’s general requirements and General Studies requirements, students seeking the B.A. in Anthropology must meet the requirements listed below.

A grade of “C” or better is required in all major-related courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

Communication

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<td>Precalculus Algebra</td>
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<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<td>Mathematics for Liberal Arts I</td>
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Social Sciences

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<td>AMH 2020</td>
<td>United States since 1877</td>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>Western Perspectives II</td>
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<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>PSY 2120</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Socio-Political Perspectives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2080</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2030</td>
<td>Current Social Problems</td>
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Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
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</table>

Fine Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
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</tr>
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<td>Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
</tbody>
</table>

Contemporary Values and Expressions

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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Social Sciences: Behavioral Perspectives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2120</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Social Sciences: Socio-Political Perspectives

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
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<tbody>
<tr>
<td>ANT 2400</td>
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<tr>
<td>SPC 2608</td>
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</table>
The department recommends that specific General Studies requirements be met as follows:

Behavioral component
- **ANT 2000** Introduction to Anthropology

Science component
- **ANT 2511+L** Biological Anthropology (+Lab)

Total Semester Hours: 36-37

The department recommends that specific General Studies requirements be met as follows:

One of the following:
- **BSC 1005+L** General Biology for Non-Majors (+Lab)
- **BOT 2010+L** General Botany (+Lab)

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual [http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual] for course substitutions from Florida colleges and universities.

Lower Division Electives

Sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 18-24

**Recommend that these courses be taken as electives:**

- Foreign language courses

  Total Hours 8-14

**General Anthropology Specialization**

**Major**

- **ANT 3101** Principles of Archaeology
- **ANT 3212** Peoples and Cultures of the World
- **ANT 3610** Language and Culture
- **ANT 4191C** Archaeological Data Analysis
- **3000-4000 level Anthropology course in Biological Anthropology**
- **Two 3000/4000 level courses in Anthropology**
  - **ANT 4155**
  - **ANT 3363**
  - **ANT 3158**
  - **ANT 3153**
  - **ANT 4835**

* Choose one of the following:
  - **ANT 4034** History of Anthropology
  - **ANT 4115** Method and Theory in Archaeology

* Choose one of the following:
  - **ANT 4182C** Conservation of Archaeological Materials
  - **ANT 4808** Applied Anthropology
  - **ANT 4824** Terrestrial Archaeological Field Methods
  - **ANT 4835** Maritime Archaeological Field Methods

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 30-38
**Major-Related**

Choose one of the following:

- ENC 3240 Technical Writing
- ENC 3250 Professional Writing

Choose one of the following:

- CGS 3523 Computer Graphics Applications
- CGS 3853 Web Page Design

If not completed at the lower division:

- CGS 2570 Personal Computer Applications

Total Hours: 6-9

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 13-24

**Archaeology Specialization**

The Archaeology Specialization prepares students for graduate study in anthropology/archaeology and employment in cultural resource management in both the private sector and government agencies. The program includes both terrestrial and shipwreck archaeology. There are several archaeologists in the department and at the Archaeology Institute who teach and do research with students. There are almost continuously active faculty-directed archaeology research projects and contracts in which students get hands-on experience in the Pensacola area and surrounding regions. Senior internships with regional and national employers and research institutes provide valuable and practical on-the-job training.

**Major**

- ANT 3101 Principles of Archaeology 3
- ANT 3212 Peoples and Cultures of the World 3
- ANT 4034 History of Anthropology 3
- ANT 4115 Method and Theory in Anthropology 3
- ANT 4172 Historical Archaeology 3
- ANT 4180L Laboratory Methods in Archaeology 3
- ANT 4190 Historic Preservation in Archaeology 3
- ANT 4191C Archaeological Data Analysis 3
- ANT 4525S Human Osteology 4
- ANT 4525L Human Osteology Lab 0
- 3000/4000 level Anthropology courses 3-10

Choose one of the following:

- ANT 3153 North American Archaeology 3
- ANT 3158 Florida Archaeology 3
- ANT 4155 Archaeology of the Southeastern United States 3

Choose one of the following:

- ANT 4121 Combined Archaeological Field Methods 9
- ANT 4824 Terrestrial Archaeological Field Methods 3
- ANT 4835 Maritime Archaeological Field Methods 3

If not completed at the lower division:

- ANT 2000 Introduction to Anthropology 0-7
- ANT 2511L Biological Anthropology (+Lab) 4

Total Hours: 43-57

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 0-14

**Biological Anthropology Specialization**

The Biological Anthropology Specialization prepares students for graduate study in Biological and/or Forensic Anthropology and employment in law enforcement and cultural resource management in both the private sector and government agencies. The program offers students the opportunity to gain hands-on experience analyzing human skeletal remains from both archaeological and forensic contexts through faculty-directed research projects and consultations with Escambia County Medical Examiner’s Office and Florida Department of Law Enforcement. Senior internships with regional and national employers and research institutes provide valuable and practical on-the-job training.

**Major**

- ANT 3101 Principles of Archaeology 3
- ANT 3212 Peoples and Cultures of the World 3
- ANT 4525S Human Osteology 4
- ANT 4525L Human Osteology Lab 0
- ANT 4516 Modern Human Physical Variation 3
- ANT 4550 Primatology 3
- ANT 4586 Human Origins 3
- 3000/4000 level advisor-approved Anthropology courses 6-9

Choose one of the following:

- ANT 4034 History of Anthropology 3
- ANT 4115 Method and Theory in Anthropology 3

Choose one of the following:

- ANT 4523 Field Methods in Forensic Anthropology 3
- ANT 4824 Terrestrial Archaeological Field Methods 3
- Advisor approved field methods course 0-7

If not completed at the lower division:

- ANT 2000 Introduction to Anthropology 0-7
- ANT 2511 Biological Anthropology 3
- ANT 2511L Biological Anthropology Lab 0

Total Hours: 31-47

**Major-Related**

- ENC 3240 Technical Writing 3
- STA 4173 Biostatistics 3

Total Hours: 6

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater. Focus through minors and advanced language work are encouraged.

Total Hours: 7-25

**Cultural Anthropology Specialization**

**Major**

- ANT 3101 Principles of Archaeology 3
- ANT 3212 Peoples and Cultures of the World 3
- ANT 3403 Cultural Ecology 3
- ANT 3610 Language and Culture 3
Major-Related

3000/4000 level advisor-approved Anthropology courses

Total Hours 33-40

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 8-15

Students with upper division flexibility are encouraged to pursue additional focus through advanced language study, including language courses taught outside the United States; acquisition of statistical tools; directed, individual field work, or international study.

Minors

Africana Studies

The Africana Studies minor is an interdisciplinary program. This minor is available to all students.

Choose four of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4575</td>
<td>Civil Rights</td>
</tr>
<tr>
<td>ANL 3624</td>
<td>Black Women Writers</td>
</tr>
<tr>
<td>ANT 3352</td>
<td>African Cultures</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
</tr>
<tr>
<td>ANT 4451</td>
<td>Race, Ethnicity, and Culture</td>
</tr>
<tr>
<td>ANT 4535</td>
<td>Race in Biological Anthropology</td>
</tr>
<tr>
<td>INP 4224</td>
<td>Psychology of Workforce Diversity</td>
</tr>
<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
</tr>
<tr>
<td>SYO 4530</td>
<td>Inequality in America</td>
</tr>
</tbody>
</table>

Total Hours 12

Latin American Studies

The Latin American Studies minor is designed to provide students with a multidisciplinary background in the themes and topics of most concern in Latin American Studies. All courses in the minor must be completed with a grade of “C” or better. This minor is available to all students.

Students must demonstrate competence in Spanish language skills by completing one of the following courses or equivalent.

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 2200</td>
<td>Intermediate Reading and Translation</td>
</tr>
<tr>
<td>SPN 2210</td>
<td>Intermediate Composition &amp; Conversation</td>
</tr>
</tbody>
</table>

Students must take one course from five of the six disciplines listed below. One course may be substituted with an approved relevant field experience taken for 3 sh credit.

Anthropology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4332</td>
<td>Cultures of Latin America</td>
</tr>
<tr>
<td>ANT 4321</td>
<td>Cultures of Mexico</td>
</tr>
<tr>
<td>ANT 4322</td>
<td>Mesoamerican Cultural Traditions</td>
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Fine and Performing Arts

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ARH 4652</td>
<td>Art and Archaeology of the Ancient Andes</td>
</tr>
<tr>
<td>ARH 4653</td>
<td>Art and Archaeology of Mesoamerica</td>
</tr>
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Geography

<table>
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<tr>
<th>Course</th>
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<tbody>
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<td>GEA 4405</td>
<td>Geography of Latin America</td>
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History

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<tbody>
<tr>
<td>LAH 3100</td>
<td>Colonial and Revolutionary Latin America</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>Latin America since Independence</td>
</tr>
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Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 4520</td>
<td>Latin American Culture and Civilization</td>
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</tbody>
</table>

Political Science

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CPO 4303</td>
<td>Politics of Spain, Portugal, and Latin America</td>
</tr>
</tbody>
</table>

Total Hours 18

Sociology

The Minor in Sociology requires 12 sh of 3000/4000 level sociology courses. This minor is available to all students.

Total Hours 12

Anthropology

A grade of “C” or higher is required in all Anthropology courses. Anthropology majors may not earn this minor.
Arabic Language and Culture Certificate

Department: Continuing Education
Method of Instruction: Online
Semester Hours: 12

This innovative certificate in Arabic language and Culture is designed for beginning students to develop language and culture skills through listening, speaking, reading and writing, and emphasizes cultural understanding of the Arab world.

The certificate consists of three courses in Arabic Language and Culture – each course is 4 semester hours. The first course starts at the introductory level, there is no prerequisite knowledge of Arabic Language or Culture required – and offers a mix of culture with basic language component development through drill and practice and interaction with the instructor using web collaboration software. The second and third courses are also tied to culture and sometimes include other Arabic language software to assist students in sentence structure and conversational Arabic development.

The Arabic Language and Culture program provides the opportunity to gain an excellent grasp of the Arabic Language and Culture. The program is designed so participants will learn to read and write the Arabic alphabet, to speak words and phrases, and to enter into conversations. While this program is not designed to reach the fluency level of the Arabic language, students will develop the language skills necessary to communicate with Arab speaking people throughout the world. Each course is 1 full semester in length – completing the certificate will take a minimum of 3 consecutive semesters. This course is fully online and regular internet connectivity is required.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARA 1120C</td>
<td>Beginning Arabic and Language Culture I *</td>
<td>4</td>
</tr>
<tr>
<td>ARA 1121C</td>
<td>Beginning Arabic and Language Culture II</td>
<td>4</td>
</tr>
<tr>
<td>ARA 2200C</td>
<td>Intermediate Arabic Language and Culture I</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

* Successful completion of the first two courses (ARA 1120C Beginning Arabic and Language Culture I and ARA 1121C Beginning Arabic and Language Culture II) satisfies Florida’s foreign language admission requirements.
Art

The B.A. in Art is awarded to students in three areas of specialization: Studio Art, Graphic Design, and Art History. Within the Studio Art Specialization, students can elect concentrations in Painting, Drawing, Sculpture, Printmaking, Photography, and Ceramics, as well as New and Mixed Media. Those students interested in Graphic Design can choose from a list of courses tailored to their career path. For students in Art History, there are two avenues of study: one is a traditional liberal arts approach, while the other is designed to prepare future museum professionals. Students planning to teach art in the public schools should elect the Studio Art Specialization and must also declare a minor in Professional Education.

Program Requirements

In addition to the University's general requirements, students seeking the B.A. in Art must meet the requirements listed below.

A grade of “C” or better must be earned in all courses that are identified as common prerequisites, major, or major-related.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tr>
<td>ENC 1101: English Comp I</td>
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</tr>
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<td>ENC 1102: English Comp II</td>
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<table>
<thead>
<tr>
<th>Mathematics</th>
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<tbody>
<tr>
<td>MAC 1105: College Alg</td>
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<tr>
<td>MAC 1114: Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140: Precalg Alg</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233: Calc w/Business</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311: Analytic G &amp; Calc I</td>
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<tr>
<td>MAC 2312: Analytic G &amp; Calc II</td>
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<td>MGF 1106: Math for Lib Arts I</td>
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<tr>
<td>MGF 1107: Math for Lib Arts II</td>
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</tr>
<tr>
<td>STA 2023: Elements of Stats</td>
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| Social Sciences         | 9     |

Choose one course from each of the following clusters of courses

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<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
</tbody>
</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
</tr>
</tbody>
</table>

Fine Arts:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
</tbody>
</table>

Contemporary Values and Expressions:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences 7
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

**Studio Art Specialization**

### Common Prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance *</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary *</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
<td>6</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
<td></td>
</tr>
</tbody>
</table>

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3590</td>
<td>Perspectives in Ancient and World Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 3213C</td>
<td>Advanced Ideas and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ART 3312C</td>
<td>Drawing III: The Figure</td>
<td>3</td>
</tr>
<tr>
<td>Two 3000/4000 level Art History (ARH) electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Six 3000/4000 level Studio Art (ART) electives</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Personal Directions Course in concentration</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ARH 4450</td>
<td>Modern Art 1900-1950</td>
<td></td>
</tr>
<tr>
<td>ARH 4470</td>
<td>Art After 1950</td>
<td></td>
</tr>
<tr>
<td>If not completed at the lower division:</td>
<td>0-6</td>
<td></td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
<td></td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
<td></td>
</tr>
</tbody>
</table>

**Upper Division Electives**

The remainder of the program will be comprised of electives that students can select without limitation. However, students must select additional 3000/4000 level courses to total at least 48sh at the 3000/4000 level. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses at UWF.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4651</td>
<td>Aesthetics &amp; Critical Theory</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4930</td>
<td>History of Art History Seminar</td>
<td></td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Philosophy of Art</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major-Related**

Four 3000/4000 Level Art, Humanities, or Advisor Approved Elective Courses: 12

Choose one of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4651</td>
<td>Aesthetics &amp; Critical Theory</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4930</td>
<td>History of Art History Seminar</td>
<td></td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Philosophy of Art</td>
<td></td>
</tr>
</tbody>
</table>
Art History Specialization

Common Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance *</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary *</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2XXX</td>
<td>(Foreign Language Suggested - See Advisor)</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hours 24

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 0-3

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3590</td>
<td>Perspectives in Ancient and World Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4830C</td>
<td>Museum and Gallery Studies</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4930</td>
<td>History of Art History Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ART 3507C</td>
<td>Painting for Non-Majors *</td>
<td>3</td>
</tr>
</tbody>
</table>

Five 3000/4000 level Art History (ARH) courses ** 15

Three 3000/4000 level Studio Art (ART) electives 9

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4450</td>
<td>Modern Art 1900-1950</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4470</td>
<td>Art After 1950</td>
<td>3</td>
</tr>
<tr>
<td>ART 4835</td>
<td>Museum and Gallery Studies Practicum</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4911</td>
<td>Research in Art History</td>
<td>3</td>
</tr>
</tbody>
</table>

Capstone course (choose one):

Total Hours 42

* If no credit earned in ART 2500C

** May not include ARH 4835

Major-Related

Four 3000/4000 level Art, Humanities, or advisor-approved courses - may include one third year level foreign language (may be 2000 level) 12

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4651</td>
<td>Aesthetics &amp; Critical Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Philosophy of Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 15

Upper Division Electives

The remainder of the program will be comprised of electives that students can select without limitation. However, students must select additional 3000/4000 level courses to total at least 48th at the 3000/4000 level if necessary. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses at UWF.

Total Hours 3

Graphic Design Specialization

Common Prerequisites

Graphic Design Specialization

Common Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance *</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary *</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2XXX</td>
<td>Principles of Graphic Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 24

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 0-3

Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3724</td>
<td>History of Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 3312C</td>
<td>Drawing III: The Figure</td>
<td>3</td>
</tr>
<tr>
<td>ART 3213C</td>
<td>Advanced Ideas and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3202C</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>ART 3618C</td>
<td>Introduction to Web-based Art</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3102C</td>
<td>Graphic Design Studio I</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4112C</td>
<td>Graphic Design Studio II</td>
<td>3</td>
</tr>
<tr>
<td>ART 3613C</td>
<td>Digital Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>ART 4632</td>
<td>Digital Studio Senior Project</td>
<td>3</td>
</tr>
<tr>
<td>ART 4633C</td>
<td>Advanced Techniques in Interaction Design</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4950C</td>
<td>Graphic Design Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>3000/4000 level Studio Art (ART) elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>3000/4000 level Art History (ARH) elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3630C</td>
<td>Artist’s Video</td>
<td>3</td>
</tr>
<tr>
<td>ART 4619C</td>
<td>Advanced Digital Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4930C</td>
<td>Special Topics in Digital Media Design</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4940L</td>
<td>Internship in Graphic Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 45

Major-Related

ADV3000, Introduction to Advertising, and/or one 2000-level foundation programming course from the Department of Computer Science

Students will choose three additional courses from Computer Science and/or Communication Arts based on advisor conference and approval. Several recommendations are listed below:

Advertising:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3101</td>
<td>Creative Strategy and Tactics I</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3213</td>
<td>Advertising Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>ADV 4202</td>
<td>Creative Strategy and Tactics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Computer Science:
Undergraduate Degrees and Areas of Specialization

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2830</td>
<td>Script Programming</td>
</tr>
<tr>
<td>COP 3813</td>
<td>Internet Programming</td>
</tr>
<tr>
<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
</tr>
<tr>
<td>CGS 3853</td>
<td>Web Page Design</td>
</tr>
</tbody>
</table>

**Total Hours** 12

**Upper Division Electives**

Students must select additional 3000/4000 level courses to total at least 48 semester hours at the 3000/4000 level if necessary.

**Total Hours** 3-9

**Minors**

**Art**

Students may earn a Minor in Art by completing art and/or art history courses with permission of an assigned art advisor (see Art Department advisor for details). Of the 18 semester hours required for this minor, at least 12 sh must be taken at UWF. No fewer than 12 sh must be at the 3000/4000 level. Art majors may not earn this minor.

**Professional Education: Art Education**

See Professional Education Minor (p. 243) page for information.
Biology

Technological breakthroughs in areas such as biochemistry, botany, ecology, genetics, microbiology, molecular biology, and physiology are being used to solve problems in agriculture, environmental toxicology, forestry, medicine, public health, and the pharmaceutical industry. The Department of Biology focuses on areas of modern biology and biotechnology offering the degree in two specializations: General Biology and Pre-Professional Biology. The specializations include a series of five core courses fundamental to all areas of biology.

Graduates are prepared to gain employment in industry, government, health professions, and research laboratories or to pursue advanced degrees in the biological sciences, professional schools (medicine, dentistry, optometry, pharmacy, veterinary), and public health. Prospective students need to be aware that some biology lab courses involve the use of live animals. Students may wish to seek details from course instructors before enrolling.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Biology must meet the requirements listed below.

A grade of “C” or better is required in each of the five biology core courses. Consult with your academic advisor for courses that may satisfy both the General Studies requirements and common prerequisites.

General Studies

Biology majors should satisfy the mathematics (6 sh) and science (7 sh) components of General Studies with course work taken from the common prerequisites shown below.

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

| Communication | 6 |
| ENC 1101 | English Composition I | 3 |
| ENC 1102 | English Composition II | 3 |

| Mathematics | 6 |
| MAC 1105 | College Algebra | 3 |
| MAC 1114 | Trigonometry | 3 |
| MAC 1140 | Precalculus Algebra | 3 |
| MAC 2233 | Calculus with Business Applications | 3 |
| MAC 2311 | Analytic Geometry and Calculus I | 4 |
| MAC 2312 | Analytic Geometry and Calculus II | 4 |
| MGF 1106 | Mathematics for Liberal Arts I | 3 |
| MGF 1107 | Mathematics for Liberal Arts II | 3 |
| STA 2023 | Elements of Statistics | 3 |

| Social Sciences | 9 |

Choose one course from each of the following clusters of courses

| Social Sciences: Historical Perspectives: | 3 |
| AMH 2010 | United States to 1877 |
| AMH 2020 | United States since 1877 |
| EUH 1000 | Western Perspectives I |
| EUH 1001 | Western Perspectives II |

| Social Sciences: Behavioral Perspectives: | 3 |
| ANT 2000 | Introduction to Anthropology |
| ANT 2100 | Introduction to Archaeology |
| CCO 2002 | Survey of Crime and Justice |
| DEP 2004 | Human Development Across the Lifespan |
| PSY 2012 | General Psychology |
| SOW 2192 | Understanding Relationships in the 21st Century |

| Social Sciences: Socio-Political Perspectives: | 3 |
| ANT 2400 | Current Cultural Issues |
| CPO 2002 | Comparative Politics |
| ECO 2013 | Principles of Economics Macro |
| FIN 2104 | Personal Financial Planning |
| GEA 2000 | Nations and Regions of the World |
| GEB 1011 | Introduction to Business |
| IDH 1041 | Honors Core 2 |
| INR 2002 | International Politics |
| MMC 2000 | Principles of Mass Communication |
| PLA 2013 | Survey of American Law |
| POS 2041 | American Politics |
| SYG 2000 | Introduction to Sociology |
| SYG 2010 | Current Social Problems |

| Humanities | 8-9 |

Choose one course from each of the following clusters of courses

| Literature: | 3 |
| AML 2072 | Sex, Money, and Power in American Literature |
| IDH 1040 | Honors Core 1 |
| LIT 2030 | Introduction to Poetry |
| LIT 2040 | Introduction to Drama |
| LIT 1122 | Great Books I |
| LIT 2100 | Introduction to Literature |

| Fine Arts: | 3 |
| ARH 1010 | Introduction to Art History |
| ARH 2050 | Western Survey I: Greek to Renaissance |
| ARH 2051 | Western Survey II: Baroque to Contemporary |
| ART 1015C | Exploring Artistic Vision |
| ART 2821 | Art and Visual Culture Today |
| MUH 2930 | The Music Experience: Special Topics |
| MUL 2110 | Music in Western Civilization |
| THE 2000 | The Theatre Experience |
| THE 2300 | Survey of Dramatic Literature |

| Contemporary Values and Expressions: | 3 |
| PHI 2010 | Introduction to Philosophy |
| PHI 2100 | Introduction to Logic |
| PHI 2103 | Critical Thinking |
| PHI 2603 | Ethics in Contemporary Society |
| REL 1300 | Introduction to World Religions |
| SPC 2608 | Basic Communication Skills |

| Natural Sciences | 7 |
Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
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<td>AST 3033</td>
<td>Modern Astronomy</td>
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<td>BOT 2010+L</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<tr>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I *</td>
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<td>Anatomy and Physiology I Laboratory</td>
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<tr>
<td>BSC 1086</td>
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<td>Anatomy &amp; Physiology II Laboratory</td>
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<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
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</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology Laboratory</td>
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<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<td>Excursions in Computing Lab</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
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<td>Concepts in Chemistry Lab</td>
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<tr>
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<td>Fundamentals of General Chemistry *</td>
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<td>Fundamentals of General Chemistry Laboratory</td>
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<td>CHM 2045</td>
<td>General Chemistry I *</td>
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<td>CHM 2046</td>
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<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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<td>GEO 2330</td>
<td>Environmental Science</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
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<td>PHY 1020</td>
<td>Introduction to Concepts in Physics *</td>
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<td>PHY 1020L</td>
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<tr>
<td>PHY 2048</td>
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<td>PHY 2048L</td>
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<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
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<td>PHY 2049L</td>
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<td>PHY 2053</td>
<td>General Physics I **</td>
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<td>PHY 2053L</td>
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<td>PHY 2054</td>
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<td>PHY 2054L</td>
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<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
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</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
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</tr>
</tbody>
</table>

* May be taken with or without lab.
** Recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: **36-37**

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Graduation requirements for the B.S. degree in Biology include the successful completion of the common prerequisites. Because it will be difficult to incorporate all prerequisites into the 60 sh Lower Division Curriculum, students are advised to complete the following common prerequisites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PGB 2131+L</td>
<td>Cell Biology (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab) *</td>
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</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
<td>3</td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2054+L</td>
<td>General Physics II (+Lab) *</td>
<td>4</td>
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</table>

Total Hours: **31**

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Major-Related

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>STA 4173</td>
<td>Biostatistics</td>
<td>3</td>
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Choose one of the following:

<table>
<thead>
<tr>
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<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 4434</td>
<td>Introduction to Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
<td>3</td>
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</tbody>
</table>

Students must take two of the following that were not completed as part of the Common Prerequisites in the lower division:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)</td>
<td>4</td>
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</table>

Option 2 (Preferred Option)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2054+L</td>
<td>General Physics II (+Lab) *</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours: **31**

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to meet this elective requirement. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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Total Hours: **14**

General Biology Specialization

Biology Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 3033-L</td>
<td>Biochemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BCH 3034</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>MCB 3020-L</td>
<td>Microbiology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PGB 3063-L</td>
<td>Genetics (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PGB 4043-L</td>
<td>Ecology (+Lab)</td>
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Total Hours: **19**
General Biology Specialization

Choose one of the following: 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4503+L</td>
<td>Plant Physiology (+Lab)</td>
</tr>
<tr>
<td>PCB 4723+L</td>
<td>Comparative Animal Physiology I (+Lab)</td>
</tr>
</tbody>
</table>

Choose one of the following: 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4374+L</td>
<td>Plant Developmental Biology (+Lab)</td>
</tr>
<tr>
<td>PCB 3253+L</td>
<td>Developmental Biology (+Lab)</td>
</tr>
</tbody>
</table>

Choose one of the following: 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4734+L</td>
<td>Plant Biotechnology (+Lab)</td>
</tr>
<tr>
<td>PCB 4524+L</td>
<td>Molecular Biology (+Lab)</td>
</tr>
</tbody>
</table>

Total Hours 12

General Biology Sub-core

3000/4000 level Biology electives 14

Total Hours 14

Up to 2 sh of directed study credit may be applied to electives. Students must confer with advisor when selecting electives.

The sub-core may include any upper division course in biology, except ZOO 3733. At least two upper division botany courses must be included in the program.

Pre-Professional Biology Specialization

Program Contacts

Paul Nash, PhD- Pre-Health Advisor, Health Advisory Committee Chair
Assistant Professor Biology
850.474.2649
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Director, Clinical Lab Sciences
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Peter Cavnar, PhD, Health Advisory Committee Assistant Professor Biology
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Ted Fox, PhD, AED Faculty Advisor Health Advisory Committee Associate Professor Biology
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Karen Pritchard, PhD, Health Advisory Committee Instructor Biology
(850) 474.2753
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Pamela Tanner, PhD, Health Advisory Committee Instructor Chemistry
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ptanner@uwf.edu

George Stewart, PhD, Director, School of Allied Health and Life Sciences and Chair of Biology Professor
850.473.7226
gstewart@uwf.edu

Steve Celestial, Biology Advisor
850.474.2885
scelestial@uwf.edu

The number of students applying for professional training in fields such as medicine, osteopathic medicine, dentistry, veterinary medicine, optometry, podiatry, pharmacy, and physical therapy always exceeds the number of positions available. Therefore, competition for these positions is very intensive. Students from Florida primarily apply to in-state professional schools. They must have outstanding credentials to receive serious consideration at public institutions out-of-state. Private out-of-state institutions are somewhat more receptive. Foreign professional schools should be considered with extreme caution.

Health Advisory Program

Professional schools are interested in a student’s academic training and accomplishments as measured by the student’s transcripts. The most successful applicants are full-time students (minimum of 12 sh per semester) with a minimum cumulative GPA above 3.5 during the three or four semesters immediately preceding application. It makes little difference as to the student’s major, although most pre-professional students at UWF select a specialization in biology or chemistry. Criteria to be considered in selecting a major are as follows:

1. A field within which the student can meet the prerequisites for admission to professional school and for graduation from UWF at a very high performance level
2. A major that provides viable career alternatives
3. A major which is enjoyable to the student

Professional schools require at the minimum:

- Biology w/laboratory (1 year)
- Mathematics (calculus required or recommended)
- Physics w/laboratory (1 year)
- Chemistry w/laboratory through organic (physical therapy requires only one year of chemistry)

Most schools have additional requirements. Courses in anatomy, analytical chemistry, biochemical, cell biology, computer techniques, developmental biology, genetics, microbiology, physical chemistry, physiology, psychology, and statistics are also useful and often required. However, a student could major in history, for example, and use electives as a means to complete the entrance requirements. The exact program for each student will depend upon background and interests.

A speech course and two courses in animal science are required for admission to veterinary medicine. UWF students generally meet these requirements by registering at the University of Florida as transient students during a summer semester.

Pharmacy and physical therapy schools require at least two years of college which include the above required courses. The other professional schools prefer a bachelor’s degree.

Admission Requirements to the Upper-Division Pre-professional Program for Transfer Students

Professional training is essentially advanced training in biology. The emphasis on mathematics, physics, and chemistry, as much as biology, facilitates understanding of advanced work. Transfer students should have backgrounds in these four science areas. They also
should have 12 sh in the humanities, including English composition, and 12 sh in social sciences, such as psychology and history. College algebra with trigonometry, general chemistry, elementary biology, and zoology or botany are prerequisites for the upper-division science courses.

**Application to Professional Schools**

The formal process of applying for admission to professional schools generally begins in the spring of the calendar year prior to the anticipated enrollment. As appropriate, a student takes the Medical College Admission Test (MCAT); the Dental Aptitude Test (DAT); the Optometry Aptitude Test (OAT); the Graduate Record Examination (GRE); or other pre-professional examination. It is necessary to have completed almost all prerequisites by that time. The examinations may be taken at other times, but the decision should be discussed with an advisor.

Applications are completed and submitted to the schools or to application services such as the American Medical College Application Service (AMCAS) or the Association of American Dental Schools Application Service (AADSAS) during the summer and early fall. Evaluations are submitted by the faculty at that time and students seek interviews from the professional schools which require them. Decisions generally are announced during the January-to-March period.

**Health Advisory Committee**

Students enrolled at UWF who intend to apply for admission to professional schools such as medical, dental, optometry, pediatric medicine or schools of veterinary medicine generally utilize the services of the Health Advisory Committee.

The Health Advisory Committee provides on-going advice (regardless of the student’s major), direct contact with the professional schools, brochures, applications, and other materials of interest to such students. The committee arranges visits of admissions officers from various schools and provides a means of introducing students to local practitioners.

During the application process, candidates for admission to professional schools usually are asked to provide a letter of recommendation from a faculty committee. The Health Advisory Committee serves this function. On request, the Committee will schedule an interview with the candidate. This interview serves three purposes:

1. Information is gathered for the preparation of the letter of recommendation.
2. The student’s performance at the interview is critiqued.
3. The candidate is given some pointers on presentation.

**Biology Core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 3033+L</td>
<td>Biochemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BCH 3034</td>
<td>Biochemistry II</td>
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<tr>
<td>MCB 3020+L</td>
<td>Microbiology (+Lab)</td>
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</tr>
<tr>
<td>PCB 3063+L</td>
<td>Genetics (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4043+L</td>
<td>Ecology (+Lab)</td>
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**Pre-Professional Biology Specialization**

<table>
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<th>Course Title</th>
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</thead>
<tbody>
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<td>Developmental Biology (+Lab)</td>
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<tr>
<td>PCB 4723+L</td>
<td>Comparative Animal Physiology I (+Lab)</td>
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</table>

Choose one of the following:

**Pre-Professional Biology Sub-core**

Evaluations are submitted by the faculty at that time and students seek interviews from the professional schools which require them. Decisions generally are announced during the January-to-March period.

**Electives chosen with advisor (the following are recommended):**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HSC 3555</td>
<td>Pathophysiology</td>
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<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Disease</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4305+L</td>
<td>Hematology I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4462+L</td>
<td>Medical Microbiology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4625+L</td>
<td>Clinical Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4630+L</td>
<td>Clinical Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4233+L</td>
<td>Immunology (+Lab)</td>
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</tr>
<tr>
<td>PCB 4522</td>
<td>Genetic Engineering</td>
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</tr>
</tbody>
</table>

**Total Hours** 15

* Required for Pre-Vet students; may be required for some Pre-Med students - See Advisor

**Minors**

**Biology**

The Minor in Biology may be earned with the completion of 20 sh and is available for students in a wide variety of majors. It provides the opportunity to add value to the major degree and to expand students’ opportunities for employment. It is especially appropriate for students who plan to work in administrative or other nonresearch-related areas of the biomedical, environmental, pharmaceutical, and other biological science-related industries.

A minimum of 14 sh must be taken at UWF, including at least 9 sh of 3000/4000 course work taken in residence at UWF. A minimum grade of “C” is required in all courses used to satisfy the minor. Neither directed study nor credit by exam (AP, CLEP, etc.) may be applied toward the minor. Contact the Academic Advisor for the Department of Biology for assistance in choosing courses to meet specific needs. Biology, Marine Biology, Medical Technology, and Zoology Science majors may not earn this minor. Students should assess the prerequisites for upper division courses they wish to take to complete the minor.

**Electives chosen with advisor (the following are recommended):**

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<tr>
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<th>Hours</th>
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</thead>
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<td>4</td>
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<tr>
<td>MLS 4305+L</td>
<td>Hematology I (+Lab)</td>
<td>4</td>
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<tr>
<td>MLS 4462+L</td>
<td>Medical Microbiology (+Lab)</td>
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</tr>
<tr>
<td>MLS 4625+L</td>
<td>Clinical Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4630+L</td>
<td>Clinical Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4233+L</td>
<td>Immunology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4522</td>
<td>Genetic Engineering</td>
<td>4</td>
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</tbody>
</table>

**Total Hours** 15

* Required for Pre-Vet students; may be required for some Pre-Med students - See Advisor

**Certificates**

**Evolutionary Biology Certificate**

Department: **Biology**

Method of Instruction: **Classroom**

Semester Hours: **9**
Molecular Science Certificate

Department: Biology
Method of Instruction: Classroom
Semester Hours: 12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
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<td>Biochemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4233+L</td>
<td>Immunology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4524+L</td>
<td>Molecular Biology (+Lab)</td>
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<tr>
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Physiology Certificate

Department: Biology
Method of Instruction: Classroom
Semester Hours: 10

<table>
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<th>Course Title</th>
<th>Hours</th>
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<td>Pathophysiology</td>
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<tr>
<td>PCB 4703</td>
<td>Human Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4723+L</td>
<td>Comparative Animal Physiology I (+Lab)</td>
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<td>Total Hours</td>
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Plant Science Certificate

Department: Biology
Method of Instruction: Classroom
Semester Hours: 12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4374+L</td>
<td>Plant Developmental Biology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BOT 4404+L</td>
<td>Aquatic Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BOT 4503+L</td>
<td>Plant Physiology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>
Business, General

The Bachelor of Science in Business Administration (B.S.B.A.) degree with a major in General Business prepares students for the world of business, which increasingly demands that business graduates have cross functional abilities. The General Business major builds abilities across multiple business disciplines, including Management, Marketing, and Finance/Economics, thus providing broad abilities in the context of managing modern businesses. The orientation of the major is towards effective management of resources, adoption of market orientation, and understanding of financial and/or economic implications of management decisions.

Program Requirements

In addition to the university's general requirements, students seeking the B.S.B.A. in General Business must meet the requirements listed below. A minimum course grade of "C" is required in all College of Business prerequisites and courses.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101 English Composition I</td>
<td>3</td>
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<td>ENC 1102 English Composition II</td>
<td>3</td>
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<tr>
<td>Mathematics</td>
<td>MAC 1105 College Algebra</td>
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<td>MAC 1114 Trigonometry</td>
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<td>MAC 2223 Calculus with Business Applications</td>
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<td>MAC 2311 Analytic Geometry and Calculus I</td>
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<td>Choose one course from each of the following clusters of courses</td>
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<td>Social Sciences:</td>
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<td>Historical Perspectives:</td>
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<td>AMH 2010</td>
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<tr>
<td>EUH 1000</td>
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<td>Western Perspectives II</td>
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<tr>
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<td>Behavioral Perspectives:</td>
<td></td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>PSY 2012</td>
<td>General Psychology</td>
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<td>Understanding Relationships in the 21st Century</td>
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<td>Socio-Political Perspectives:</td>
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<tr>
<td>ANT 2400</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<td>INR 2002</td>
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<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<td>SYG 2010</td>
<td>Current Social Problems</td>
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<td>Literature:</td>
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<td>AML 2072</td>
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<td>LIT 2030</td>
<td>Introduction to Poetry</td>
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<td>LIT 2040</td>
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<td>LIT 1122</td>
<td>Great Books I</td>
<td></td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
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<tr>
<td>Fine Arts:</td>
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<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
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<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
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<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
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<td>SPC 2608</td>
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<tr>
<td>Natural Sciences</td>
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</table>
The Future: Projecting, Planning and Managing

Behavior in Organizations

Marketing Fundamentals

Policy Analysis and Formulation

Operations Management

e-Business Systems Fundamentals

Writing for Business: Theory and Practice

Managerial Finance

Legal Environment of Business

GEB 3453

Business Ethics and Stakeholder Management

GEB 4361

International Business

ISM 3011

e-Business Systems Fundamentals

MAN 3025

Management Fundamentals

MAN 3504

Operations Management

MAN 4720

Policy Analysis and Formulation

MAR 3023

Marketing Fundamentals

Total Hours

3-12

General Business majors should take SPC 2608 Basic Communication Skills to satisfy the humanities/values and expressions component, STA 2023 Elements of Statistics and MAC 2233 Calculus with Business Applications to satisfy the mathematics component, and ECO 2013 Principles of Economics Macro to satisfy the social science/socio-political components of General Studies.
### Undergraduate Degrees and Areas of Specialization

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
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<td>Two 3000/4000 level advisor approved Finance/Economics courses</td>
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<tr>
<td>3000/4000 level College of Business elective</td>
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<td><strong>Total Hours</strong></td>
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* May include HSA 4110 Health Care Policy and Administration
Career and Technical Education

The program in Workforce and Program Development is designed to prepare individuals to develop and implement training and educational materials to support employers, employees, as well as individuals who are underemployed and unemployed. From trainers to counselors to curriculum developers, graduates work in a variety of organizations to support career and technical education and training. The program is designed to prepare graduates to plan, supervise, conduct, and evaluate workforce and training programs in business, industry, and government. Individuals who desire to work in PK-12 environments will gain an excellent foundation. However, Florida certification in career and technical education is granted by local school districts. Contact the program advisor for information about teaching in PK-12 organizations.

Individuals who are interested in teaching in the public schools can pursue a Minor in Professional Education which is designed to provide non-education majors with the Professional Education component requisite to becoming a certified teacher in Florida. Career and Technical educators are certified by individual school districts. For information on the process and required courses, contact the program advisor.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Career and Technical Studies must meet the requirements listed below. Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites. In addition to general University requirements, students seeking the B.S. in Career and Technical Education: Workforce and Program Development must earn a grade of “C” or higher in all major courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

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<table>
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<tr>
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<td>ENC 1102 English Composition II</td>
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</table>

<table>
<thead>
<tr>
<th>Mathematics</th>
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<tr>
<td>MAC 1105 College Algebra</td>
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<tr>
<td>MAC 1114 Trigonometry</td>
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<td>MAC 1140 Precalculus Algebra</td>
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<td>MAC 2233 Calculus with Business Applications</td>
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<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<td>MGF 1107 Mathematics for Liberal Arts II</td>
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<tr>
<td>STA 2023 Elements of Statistics</td>
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</tbody>
</table>

Social Sciences                          9

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td>PSY 2102</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ANT 2400</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
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</table>

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
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<td>IDH 1040</td>
<td>Honors Core 1</td>
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Fine Arts:

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
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<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<td>ARH 2051</td>
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<tr>
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Contemporary Values and Expressions:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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<td>PHI 2100</td>
<td>Introduction to Logic</td>
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<td>Critical Thinking</td>
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<td>Introduction to World Religions</td>
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<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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</table>

Natural Sciences 7
Take two of the following courses, including at least one with lab:

- **ANT 2511** Biological Anthropology 3
- **ANT 2511L** Biological Anthropology Lab 1
- **AST 3033** Modern Astronomy 3
- **BOT 2010+L** General Botany (+Lab) 4
- **BSC 1005** General Biology for Non-Majors * 3
- **BSC 1005L** General Biology Laboratory for Non-Majors 1
- **BSC 1050** Fundamentals of Ecology 3
- **BSC 1085** Anatomy and Physiology I * 3
- **BSC 1085L** Anatomy and Physiology I Laboratory 1
- **BSC 1086** Anatomy and Physiology II * 3
- **BSC 1086L** Anatomy & Physiology II Laboratory 1
- **BSC 2311** Introduction to Oceanography and Marine Biology * 3
- **BSC 2311L** Introduction to Oceanography and Marine Biology Laboratory 1
- **CGS 2060** Excursions in Computing 3
- **CGS 2060L** Excursions in Computing Lab 1
- **CHM 1020** Concepts in Chemistry * 3
- **CHM 1020L** Concepts in Chemistry Lab 1
- **CHM 1032** Fundamentals of General Chemistry * 3
- **CHM 1032L** Fundamentals of General Chemistry Laboratory 1
- **CHM 2045** General Chemistry I * 3
- **CHM 2045L** General Chemistry I Laboratory 1
- **CHM 2046** General Chemistry II * 3
- **CHM 2046L** General Chemistry II Laboratory * 1
- **GEO 1200+L** Physical Geography (+Lab) 4
- **GEO 2330** Environmental Science 3
- **GLY 2010** General Geology 3
- **GLY 2010L** Physical Geology Laboratory 1
- **MCB 1000** Fundamentals of Microbiology * 3
- **MCB 1000L** Fundamentals of Microbiology Laboratory 1
- **PHY 1020** Introduction to Concepts in Physics * 3
- **PHY 1020L** Introduction to Concepts in Physics Laboratory 1
- **PHY 2048** University Physics I ** 3
- **PHY 2048L** University Physics I Lab 1
- **PHY 2049** University Physics II ** 3
- **PHY 2049L** University Physics II LAB 1
- **PHY 2053** General Physics I * 3
- **PHY 2053L** General Physics I Laboratory 1
- **PHY 2054** General Physics II * 3
- **PHY 2054L** General Physics II Laboratory 1
- **PHZ 1450** Exotic Physics 3
- **ZOO 1010+L** General Zoology (+Lab) 4

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

- **EDF 1005** Introduction to Education 3
- **EDF 2085** Teaching Diverse Populations 3
- **EME 2040** Introduction to Educational Technology 3

In addition, 15 semester hours from the area of specialization. 15

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 * Total Hours: 24

### Major

- **ECT 3004** Principles of Career and Technical Studies 4
- **ECT 3183** Course Construction for Career and Technical Training 3
- **ECT 3367** Career and Technical Instructional Evaluation 3
- **ECT 3945** Supervised Field Problems 3
- **ECT 4380** Special Methods in Career and Technical Studies 4
- **ECT 4560** Selection and Guidance of Career and Technical Studies 3
- **ECT 4562** Introduction to Career and Technical Special Needs Education 3
- **ECT 4930** Seminar 3

**Total Hours:** 26

### Major-Related

- **EME 3402** Information Technology Implementation Case Studies 3
- **MAN 3025** Management Fundamentals 3

**Total Hours:** 6

### Upper Division Electives

Sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or completion of all departmental requirements at the 3000-4000 level, whichever is greater. Coursework should include content relevant to the student’s career goals, related to business, psychology, communication, science, or technology. Students who wish to pursue Teacher Certification for CTE (awarded by individual school districts) should consult with the CTE advisor for appropriate coursework.

**Total Hours:** 28

### Certificates

#### Career and Technical Education Program Certificate

**Department:** Applied Science, Technology and Administration

**Method of Instruction:** Online

**Semester Hours:** 14

Individuals who teach in Career and Technical education (CTE) content areas complete initial certification courses to receive permanent teaching credentials. The State of Florida requires all individuals who teach to complete courses designed to enhance skills in developing teaching and learning strategies for the CTE classroom.

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Undergraduate Degrees and Areas of Specialization
ECT 3004  Principles of Career and Technical Studies  4
ECT 4562  Introduction to Career and Technical Special Needs Education  3
One of the following:  3
ECT 3183  Course Construction for Career and Technical Training
(One of the following):
ECT 3367  Career and Technical Instructional Evaluation
One of the following:  4
ECT 3480  Special Methods in Career and Technical Studies
BTE 4401  Special Methods of Teaching Business Education
ECT 4310  Strategies for Planning and Operating Health Occupations Education
DEC 4401  Special Teaching Methods: Distributive Education

Total Hours  14

OPTIONAL
Students wishing to pursue additional CTE endorsements can include these additional courses:

Vocational Director

ECT 5295  Curriculum and Staff Development for Career and Technical Education Programs  3
ECW 6695  School Involvement and Community Relations  3
ECT 5266  Administration and Supervision of Career and Technical Education Programs  3

Total Hours  9

Cooperative Education Endorsement

ECW 5265  Coordination and Management of Cooperative Career and Technical Education Program  3
ECW 6561  Selection and Guidance of Career and Technical Studies  3

Total Hours  6
Chemistry, Bachelor of Arts

The B.A. in Chemistry is available in two specializations: Chemistry and Chemistry/Biochemistry. Both specializations are designed for students who need a strong background in chemistry for application in other fields such as business, education, forensic science, pre-medical, pre-dental, pre-law, and some environmental fields.

The program is designed for students who need a strong background in chemistry for application in other fields. The tracks within this program are business, pre-law, and education, and chemical hygiene. Each track has the same core of chemistry courses and a set of required courses which depends on the area of concentration. The education track meets the American Chemical Society (ACS) recommendations for a Chemistry/Education degree.

Students may also complete an advisor approved minor or its 15-18 sh equivalent in a field related to the student's career objectives.

Program Requirements

In addition to the university’s general requirements, students seeking the B.A. in Chemistry must meet the requirements listed below.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

A grade of “C-” or better is required in all common prerequisites.

No grade below a “C-” in a major course may be applied toward graduation.

B.A. Chemistry Specialization

The program is designed for students who need a strong background in chemistry for application in other fields. The tracks within this program are business, pre-law, and education, and chemical hygiene. Each track has the same core of chemistry courses and a set of required courses which depends on the area of concentration. The education track meets the American Chemical Society (ACS) recommendations for a Chemistry/Education degree.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

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Social Sciences

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Social Sciences: Behavioral Perspectives: 3

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives: 3

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities

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Mathematics

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MAC 1105 College Algebra 3
MAC 1114 Trigonometry 3
MAC 1140 Precalculus Algebra 3
MAC 2233 Calculus with Business Applications 3
MAC 2311 Analytic Geometry and Calculus I 4
MAC 2312 Analytic Geometry and Calculus II 4
MGF 1106 Mathematics for Liberal Arts I 3
MGF 1107 Mathematics for Liberal Arts II 3
STA 2023 Elements of Statistics 3
Choose one course from each of the following clusters of courses

### Literature:
- AML 2072  |  Sex, Money, and Power in American Literature
- IDH 1040  |  Honors Core 1
- LIT 2030  |  Introduction to Poetry
- LIT 2040  |  Introduction to Drama
- LIT 1122  |  Great Books I
- LIT 2100  |  Introduction to Literature

### Fine Arts:
- ARH 1010  |  Introduction to Art History
- ARH 2050  |  Western Survey I: Greek to Renaissance
- ARH 2051  |  Western Survey II: Baroque to Contemporary
- ART 1015C |  Exploring Artistic Vision
- MUL 2110  |  Music in Western Civilization
- THE 2000  |  The Theatre Experience
- THE 2300  |  Survey of Dramatic Literature

### Contemporary Values and Expressions:
- PHI 2010  |  Introduction to Philosophy
- PHI 2100  |  Introduction to Logic
- PHI 2103  |  Critical Thinking
- PHI 2803  |  Ethics in Contemporary Society
- REL 1300  |  Introduction to World Religions
- SPC 2608  |  Basic Communication Skills

### Natural Sciences

Take two of the following courses, including at least one with lab:
- ANT 2511  |  Biological Anthropology
- ANT 2511L |  Biological Anthropology Lab
- AST 3033  |  Modern Astronomy
- BOT 2010-L |  General Botany (+Lab)
- BSC 1005  |  General Biology for Non-Majors
- BSC 1005L |  General Biology Laboratory for Non-Majors
- BSC 1050  |  Fundamentals of Ecology
- BSC 1085  |  Anatomy and Physiology I
- BSC 1085L |  Anatomy and Physiology I Laboratory
- BSC 1086  |  Anatomy and Physiology II
- BSC 1086L |  Anatomy & Physiology II Laboratory
- BSC 2311  |  Introduction to Oceanography and Marine Biology
- BSC 2311L |  Introduction to Oceanography and Marine Biology Laboratory
- CHM 1020  |  Concepts in Chemistry
- CHM 1020L |  Concepts in Chemistry Lab
- CHM 1032  |  Fundamentals of General Chemistry
- CHM 1032L |  Fundamentals of General Chemistry Laboratory
- CHM 2045  |  General Chemistry I
- CHM 2045L |  General Chemistry I Laboratory
- CHM 2046  |  General Chemistry II
- CHM 2046L |  General Chemistry II Laboratory
- GEO 1200-L |  Physical Geography (+Lab)
- GEO 2330  |  Environmental Science
- GLY 2010  |  Physical Geology
- GLY 2010L |  Physical Geology Laboratory
- MCB 1000  |  Fundamentals of Microbiology
- MCB 1000L |  Fundamentals of Microbiology Laboratory
- PHY 1020  |  Introduction to Concepts in Physics
- PHY 1020L |  Introduction to Concepts in Physics Laboratory
- PHY 2048  |  University Physics I
- PHY 2048L |  University Physics I Lab
- PHY 2049  |  University Physics II
- PHY 2049L |  University Physics II LAB
- PHY 2053  |  General Physics I
- PHY 2053L |  General Physics I Laboratory
- PHY 2054  |  General Physics II
- PHY 2054L |  General Physics II Laboratory
- PHZ 1450  |  Exotic Physics
- ZOO 1010-L |  General Zoology (+Lab)

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

** Total Semester Hours:** 36-37

### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.
Pre-Law Track

Business Track

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-13

**Major**

- CHM 3120+L Analytical Chemistry (+Lab) 4
- CHM 3400C Basic Physical Chemistry 4
- CHM 4611 Inorganic Chemistry 4
- CHM 4931 Seminars in Chemistry 1

Choose 12 semester hours (with approval from department advisor):

- CHM 3230 Organic Chemistry III 4
- CHM 3740L Advanced Laboratory Techniques 4
- CHM 3940 Chemistry Internship 4
- CHM 3949 Cooperative Education 4
- CHM 4130+L Instrumental Analysis (+Lab) 3
- CHM 4455+L Introduction to Polymer Science (+Lab) 4
- CHM 4610L Inorganic Synthesis 3
- CHM 4912 Undergraduate Chemistry Research 4
- CHM 4930 Seminar: Special Topics in Advanced Chemistry 4

Total Hours: 25

**Major-Related**

Students must choose one of the following tracks:

**Business Track**

- GEB 3032 Business Foundations for Non-Business Majors 3
- MAR 4403 Sales Management 3
- MAR 4412 Professional Selling Methods 3

Choose one of the following:

- STA 2023 Elements of Statistics 3
- STA 3162C Applied Statistics 3

Choose two of the following:

- ACG 3082 Accounting for Non-Majors 3
- ECO 3003 Principles of Economic Theory and Public Policy 3
- MAN 3025 Management Fundamentals 3

Total Hours: 18

**Pre-Law Track**

- CJL 3510 Judicial Process 3
- PLA 4263 Evidence 3
- PLA 4309 Criminal Procedure 3

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 8-20

**B.A. Chemistry/Biochemistry Specialization**

The program is designed for students who need a strong background in chemistry/biochemistry for application in other fields. The tracks within this program are: Environmental, Forensics, Pre-medical, and Medicinal Chemistry. Each track has the same core of chemistry courses and a set of required courses which depends on the area of concentration. The pre-medical track prepares students for admission to medical, dental, and pharmacy schools while providing the broad-based education preferred by these institutions.

**General Studies**

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

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Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

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<td>1</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I**</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
<td>1</td>
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<tr>
<td>PHY 2049</td>
<td>University Physics II**</td>
<td>3</td>
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<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
<td>1</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
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</tr>
<tr>
<td>PHY 2054</td>
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<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I*</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II*</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose one option from the following:

Option 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048+L</td>
<td>University Physics I (+Lab)</td>
<td>*</td>
</tr>
<tr>
<td>PHY 2049+L</td>
<td>University Physics II (+Lab)</td>
<td>*</td>
</tr>
</tbody>
</table>

Option 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab)</td>
<td>*</td>
</tr>
<tr>
<td>PHY 2054+L</td>
<td>General Physics II (+Lab)</td>
<td>*</td>
</tr>
</tbody>
</table>

Total Hours 32

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Total Hours 0-5

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 3120+L</td>
<td>Analytical Chemistry (+Lab)</td>
<td>4</td>
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<tr>
<td>CHM 3400C</td>
<td>Basic Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHM 4611</td>
<td>Inorganic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHM 4931</td>
<td>Seminars in Chemistry</td>
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</tbody>
</table>

Choose 12 semester hours (with approval from departmental advisor):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 3230</td>
<td>Organic Chemistry III</td>
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</tr>
<tr>
<td>CHM 3740L</td>
<td>Advanced Laboratory Techniques</td>
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<tr>
<td>CHM 3940</td>
<td>Chemistry Internship</td>
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<tr>
<td>CHM 3949</td>
<td>Cooperative Education</td>
<td></td>
</tr>
<tr>
<td>CHM 4130+L</td>
<td>Instrumental Analysis (+Lab)</td>
<td></td>
</tr>
<tr>
<td>CHM 4455-L</td>
<td>Introduction to Polymer Science (+Lab)</td>
<td></td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>Inorganic Synthesis</td>
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</tr>
<tr>
<td>CHM 4912</td>
<td>Undergraduate Chemistry Research</td>
<td></td>
</tr>
<tr>
<td>CHM 4930</td>
<td>Seminar: Special Topics in Advanced Chemistry</td>
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</tr>
</tbody>
</table>

Total Hours 25

Major-Related

<table>
<thead>
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<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 2010</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours 8

Students must choose one of the following tracks:

Environmental Track

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLY 2010+L</td>
<td>Physical Geology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3280+L</td>
<td>Geography of Soils (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4290+L</td>
<td>Basic Hydrology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLY 4244</td>
<td>Biogeochemistry</td>
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<tr>
<td>GLY 4240</td>
<td>Geochemistry</td>
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</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLY 3031C</td>
<td>Environmental Geology</td>
<td></td>
</tr>
</tbody>
</table>
Pre-Medical Track

PHI 4633 Biomedical Ethics 3
ENC 3250 Professional Writing 3
Choose three of the following: 11-12
PCB 3063+L Genetics (+Lab)
PCB 4703 Human Physiology
MCB 3020+L Microbiology (+Lab)
BCH 3033+L Biochemistry I (+Lab)
Total Hours 17-18

Forensic Sciences Track

CCJ 3024 American Justice System 3
CJE 3674 Introduction to the Forensic Sciences 3
CCJ 4036 Behavioral Science and the Law 3
CCJ 3654 Substance Abuse and the Offender 3
Choose two of the following: 6
CJE 4610 Criminal Investigation
PLA 4263 Evidence
ANT 3520 Forensic Anthropology
PLA 4309 Criminal Procedure
CCJ 3014 Criminology
Total Hours 18

Medicinal Chemistry Track

PCB 3063+L Genetics (+Lab) 4
BCH 3033 Biochemistry I 3
BCH 3033L Biochemistry I Laboratory 1
BCH 3034 Biochemistry II 3
PCB 4233+L Immunology (+Lab) 4
Advisor-approved electives courses 3-4
Total Hours 18-19

Minor Track

Students complete an advisor approved minor or its 15-18 sh equivalent in a field related to the student’s career objectives and additional approved 3000/4000 level electives outside chemistry.
Total Hours 15-18

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.
Total Hours 20

Minors

Chemistry

The Minor in Chemistry is designed for students majoring in other science disciplines. Chemistry majors may not earn this minor. The following requirements must be completed.

CHM 2045+L General Chemistry I (+Lab) 4
CHM 2046+L General Chemistry II (+Lab) 4
CHM 2210+L Organic Chemistry I (+Lab) 4
CHM 2211+L Organic Chemistry II (+Lab) 4
CHM 3120+L Analytical Chemistry (+Lab) 4
CHM 3400C Basic Physical Chemistry 4

CHM 4611 Inorganic Chemistry 4
MAC 2311 Analytic Geometry and Calculus I 4
MAC 2312 Analytic Geometry and Calculus II 4
Advisor-approved 3000/4000 level course 3-4
Choose one option from the following: 8
Option 1
PHY 2048+L University Physics I (+Lab)
PHY 2049+L University Physics II (+Lab)
Option 2
PHY 2053+L General Physics I (+Lab)
PHY 2054+L General Physics II (+Lab)
Total Hours 47-48
Chemistry, Bachelor of Science

The B.S. specializations in Chemistry and Chemistry/Biochemistry have been approved by the Committee on Professional Training of the American Chemical Society (ACS) and consist of courses designed to offer training in the fundamentals of chemistry. Opportunities exist for the student to take courses to prepare for a wide variety of careers in chemistry and related fields. The B.S. program is recommended for students wishing to enter graduate programs in chemistry or to find employment as professional chemists.

Students interested in obtaining certification to teach this subject area in secondary education need to contact an advisor in this department to carefully plan the course work to satisfy degree and some teacher certification requirements. A degree in this major is required for participation in teacher education certification options.

Program Requirements

In addition to general University requirements, students seeking the B.S. in Chemistry must meet the requirements listed below.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

A grade of “C-” or better is required in all common prerequisites. No grade below a “C-” in a major course may be applied toward graduation.

Chemistry B.S. and Chemistry/Biochemistry B.S. specialization majors must complete the following for ACS certification:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
<td>3</td>
</tr>
<tr>
<td>BCH 3033+L</td>
<td>Biochemistry I (+Lab)</td>
<td>4</td>
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</table>

Chemistry/Biochemistry, B.S. Specialization majors must also take the following for ACS certification:

One of the following: 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3063+L</td>
<td>Genetics (+Lab)</td>
<td></td>
</tr>
<tr>
<td>MCB 3020+L</td>
<td>Microbiology (+Lab)</td>
<td></td>
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</tbody>
</table>

Plus one additional course in biochemistry 3

B.S. Chemistry Specialization

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Component</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Communication</td>
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<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
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</tbody>
</table>
Choose one course from each of the following clusters of courses

### Literature:
- AML 2072: Sex, Money, and Power in American Literature
- IDH 1040: Honors Core 1
- LIT 2030: Introduction to Poetry
- LIT 2040: Introduction to Drama
- LIT 1122: Great Books I
- LIT 2100: Introduction to Literature

### Fine Arts:
- ARH 1010: Introduction to Art History
- ARH 2050: Western Survey I: Greek to Renaissance
- ARH 2051: Western Survey II: Baroque to Contemporary
- ART 1015C: Exploring Artistic Vision
- ART 2821: Art and Visual Culture Today
- MUL 2110: Music in Western Civilization
- THE 2000: The Theatre Experience
- THE 2300: Survey of Dramatic Literature

### Contemporary Values and Expressions:
- PHI 2010: Introduction to Philosophy
- PHI 2100: Introduction to Logic
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: Introduction to World Religions
- SPC 2608: Basic Communication Skills

### Natural Sciences
- ANT 2511: Biological Anthropology
- ANT 2511L: Biological Anthropology Lab
- AST 3033: Modern Astronomy
- BOT 2010-L: General Botany (+Lab)
- BSC 1005: General Biology for Non-Majors
- BSC 1005L: General Biology Laboratory for Non-Majors
- BSC 1050: Fundamentals of Ecology
- BSC 1085: Anatomy and Physiology I
- BSC 1085L: Anatomy and Physiology I Laboratory
- BSC 1086: Anatomy and Physiology II
- BSC 1086L: Anatomy & Physiology II Laboratory
- BSC 2311: Introduction to Oceanography and Marine Biology
- BSC 2311L: Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060: Excursions in Computing
- CGS 2060L: Excursions in Computing Lab
- CHM 1020: Concepts in Chemistry
- CHM 1020L: Concepts in Chemistry Lab
- CHM 1032: Fundamentals of General Chemistry
- CHM 1032L: Fundamentals of General Chemistry Laboratory
- CHM 2045: General Chemistry I
- CHM 2045L: General Chemistry I Laboratory
- CHM 2046: General Chemistry II
- CHM 2046L: General Chemistry II Laboratory
- GEO 1200-L: Physical Geography (+Lab)
- GEO 2330: Environmental Science
- GLY 2010: Physical Geology
- GLY 2010L: Physical Geology Laboratory
- MCB 1000: Fundamentals of Microbiology
- MCB 1000L: Fundamentals of Microbiology Laboratory
- PHY 1020: Introduction to Concepts in Physics
- PHY 1020L: Introduction to Concepts in Physics Laboratory
- PHY 2048: University Physics I**
- PHY 2048L: University Physics I Lab
- PHY 2049: University Physics II**
- PHY 2049L: University Physics II LAB
- PHY 2053: General Physics I**
- PHY 2053L: General Physics I Laboratory
- PHY 2054: General Physics II
- PHY 2054L: General Physics II Laboratory
- PHY 2054L: General Physics II Laboratory
- PHZ 1450: Exotic Physics
- ZOO 1010-L: General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

### Total Semester Hours:
36-37

### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.
Undergraduate Degrees and Areas of Specialization

**General Studies Requirements**

- Total Hours: 32

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-5

**Major**

- CHM 3120+L Analytical Chemistry (+Lab) * 4
- CHM 3230 Organic Chemistry III 3
- CHM 3410 Physical Chemistry I 5
- CHM 3411 Physical Chemistry II 4
- CHM 3740L Advanced Laboratory Techniques 2
- CHM 3741L Physical Chemistry Laboratory 2
- CHM 4130+L Instrumental Analysis (+Lab) 4
- CHM 4610L Inorganic Synthesis 1
- CHM 6111 Inorganic Chemistry 4
- CHM 4931 Seminars in Chemistry 1

Choose 10-11 sh (with approval from departmental advisor): 10-11

- BCH 3033+L Biochemistry I (+Lab) 3
- CHM 4455+L Introduction to Polymer Science (+Lab) 3
- CHM 4912 Undergraduate Chemistry Research 1
- CHM 3949 Cooperative Education 1
- CHM 3940 Chemistry Internship 1
- CHM 4930 Seminar: Special Topics in Advanced Chemistry 1

Total Hours: 40-41

* Courses offered for a variable number of semester hours.

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 19-20

**B.S. Chemistry/Biochemistry Specialization**

**General Studies**

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

**General Studies Curriculum:**

**Communication**

- ENC 1101 English Composition I 3
- ENC 1102 English Composition II 3

**Mathematics**

- MAC 1105 College Algebra 3
- MAC 1114 Trigonometry 3
- MAC 1140 Precalculus Algebra 3
- MAC 2233 Calculus with Business Applications 3
- MAC 2311 Analytic Geometry and Calculus I 4
- MAC 2312 Analytic Geometry and Calculus II 4
- MGF 1106 Mathematics for Liberal Arts I 3
- MGF 1107 Mathematics for Liberal Arts II 3
- STA 2023 Elements of Statistics 3

**Social Sciences**

Choose one course from each of the following clusters of courses:

Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877 3
- AMH 2020 United States since 1877 3
- EUH 1000 Western Perspectives I 3
- EUH 1001 Western Perspectives II 3

Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology 3
- ANT 2100 Introduction to Archaeology 3
- CCJ 2002 Survey of Crime and Justice 3
- DEP 2004 Human Development Across the Lifespan 3
- PSY 2012 General Psychology 3
- SOW 2192 Understanding Relationships in the 21st Century 3

Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues 3
- CPO 2002 Comparative Politics 3
- ECO 2013 Principles of Economics Macro 3
- FIN 2104 Personal Financial Planning 3
- GEA 2000 Nations and Regions of the World 3
- GEB 1011 Introduction to Business 3
- IDH 1041 Honors Core 2 3
- INR 2002 International Politics 3
- MMC 2000 Principles of Mass Communication 3
- PLA 2013 Survey of American Law 3
- POS 2041 American Politics 3
- SYG 2000 Introduction to Sociology 3
- SYG 2010 Current Social Problems 3

**Humanities**

8-9
Choose one course from each of the following clusters of courses

**Literature:**

- **AML 2072** Sex, Money, and Power in American Literature
- **IDH 1040** Honors Core I
- **LIT 2030** Introduction to Poetry
- **LIT 2040** Introduction to Drama
- **LIT 1122** Great Books I
- **LIT 2100** Introduction to Literature

**Fine Arts:**

- **ARH 1010** Introduction to Art History
- **ARH 2050** Western Survey I: Greek to Renaissance
- **ARH 2051** Western Survey II: Baroque to Contemporary
- **ART 1015C** Exploring Artistic Vision
- **MUL 2110** Music in Western Civilization
- **THE 2000** The Theatre Experience
- **THE 2300** Survey of Dramatic Literature

**Contemporary Values and Expressions:**

- **PHI 2010** Introduction to Philosophy
- **PHI 2100** Introduction to Logic
- **PHI 2103** Critical Thinking
- **PHI 2603** Ethics in Contemporary Society
- **REL 1300** Introduction to World Religions
- **SPC 2608** Basic Communication Skills

**Natural Sciences**

- **ANT 2511** Biological Anthropology
- **ANT 2511L** Biological Anthropology Lab
- **AST 3033** Modern Astronomy
- **BOT 2010-L** General Botany (+Lab)
- **BSC 1005** General Biology for Non-Majors
- **BSC 1005L** General Biology Laboratory for Non-Majors
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- **BSC 1085** Anatomy and Physiology I
- **BSC 1085L** Anatomy and Physiology I Laboratory
- **BSC 1086** Anatomy and Physiology II
- **BSC 1086L** Anatomy & Physiology II Laboratory
- **BSC 2311** Introduction to Oceanography and Marine Biology
- **BSC 2311L** Introduction to Oceanography and Marine Biology Laboratory
- **CGS 2060** Excursions in Computing
- **CGS 2060L** Excursions in Computing Lab
- **CHM 1020** Concepts in Chemistry
- **CHM 1020L** Concepts in Chemistry Lab
- **CHM 1032** Fundamentals of General Chemistry
- **CHM 1032L** Fundamentals of General Chemistry Laboratory
- **CHM 2045** General Chemistry I
- **CHM 2045L** General Chemistry I Laboratory
- **CHM 2046** General Chemistry II
- **CHM 2046L** General Chemistry II Laboratory
- **CGS 2060** Excursions in Computing
- **CGS 2060L** Excursions in Computing Lab
- **GEO 1200+L** Physical Geography (+Lab)
- **GEO 2330** Environmental Science
- **GLY 2010** Physical Geology
- **GLY 2010L** Physical Geology Laboratory
- **MCB 1000** Fundamentals of Microbiology
- **MCB 1000L** Fundamentals of Microbiology Laboratory
- **PHY 1020** Introduction to Concepts in Physics
- **PHY 1020L** Introduction to Concepts in Physics Laboratory
- **PHY 2048** University Physics I
- **PHY 2048L** University Physics I Lab
- **PHY 2049** University Physics II
- **PHY 2049L** University Physics II LAB
- **PHY 2053** General Physics I
- **PHY 2053L** General Physics I Laboratory
- **PHY 2054** General Physics II
- **PHY 2054L** General Physics II Laboratory
- **PHZ 1450** Exotic Physics
- **ZOO 1010-L** General Zoology (+Lab)

- **PHZ 1450** Exotic Physics
- **ZOO 1010-L** General Zoology (+Lab)

* May be taken with or without lab.

**May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

**Total Semester Hours:** 36-37
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>General Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211+L</td>
<td>Organic Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048+L</td>
<td>University Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049+L</td>
<td>University Physics II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 0-5 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement. Majors should complete the Physics or Organic Chemistry sequence not completed in the Common Prerequisites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hours</td>
<td></td>
<td>0-5</td>
</tr>
</tbody>
</table>

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3120+L</td>
<td>Analytical Chemistry (+Lab)</td>
<td>4</td>
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<tr>
<td>CHM 3230</td>
<td>Organic Chemistry III</td>
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<tr>
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<td>Physical Chemistry I</td>
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<tr>
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<td>CHM 4931</td>
<td>Seminars in Chemistry</td>
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<td>CHM 4610L</td>
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<td>Choose two of the following (advisor approved):</td>
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<tr>
<td>BCH 3033+L</td>
<td>Biochemistry I (+Lab)</td>
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<tr>
<td>BCH 3034</td>
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<td>Microbiology (+Lab)</td>
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<td>CHM 4455+L</td>
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<td>CHM 3949</td>
<td>Cooperative Education</td>
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<td>CHM 3940</td>
<td>Chemistry Internship</td>
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<td>CHM 4912</td>
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<td>CHM 4930</td>
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**Major Related**

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<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
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**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF's requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</table>
Clinical Laboratory Sciences

The B.S. in Clinical Laboratory Sciences (formerly Medical Technology) is a degree accredited by:

The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 N. River Rd, Suite 720, Rosemont, IL 60018-5119
Telephone (773) 714-8880 or at http://www.naacls.org/

Building upon a foundation of biology and chemistry courses, the Clinical Laboratory Sciences (CLS) Program prepares students to enter the CLS profession through advanced hands-on training in the clinical laboratory sciences.

Upon completion of the program and the achievement of certification and license, clinical laboratory scientists are employed in a variety of health-care settings as laboratory technologists, progressing to supervisory and management positions. A majority of students graduating with this degree work in clinical laboratories. Others work in research labs, reference labs, public-health labs, blood banks, crime labs, physicians' office labs, and so on.

Program Requirements

Upon completion of the prerequisite courses listed below and other graduation requirements, the student is eligible to apply for selection into the clinical year. It should be noted that admission into the Clinical Laboratory Sciences Program's clinical year (19 months) is on a competitive basis, is limited to 40 students per class. The clinical year begins in spring or summer semester of the student's junior year. Note that meeting minimum standards does not guarantee admission into the program. Students who completed the prerequisite course work at another university may apply and be admitted to UWF-based clinical training, provided they meet the selection criteria given above. The selection into the clinical year is based on the following:

- Completion of all the prerequisite course work
- A minimum GPA of 2.5 in the completed course work
- Personal interview with the selection committee
- Recommendation letters

The accelerated nature of this program makes it desirable that students entering UWF as juniors have completed the prerequisites or equivalents listed below. Students with deficiencies may need two years to complete the lower division and junior-year prerequisites in order to be eligible for selection into the clinical year.

Students who are selected for clinical training will spend summer and fall semesters at UWF’s main campus, followed by seven months of advanced clinical laboratory training at one of the affiliate hospitals. Students should contact the department for information about finishing the required clinical training after completing the B.S. degree and for a list of affiliated clinical training sites.

In addition to the university’s general requirements, students seeking the B.S. degree in Clinical Laboratory Sciences must meet the requirements listed below. A grade of “C” or higher is required in each major course (clinical courses with a MLS prefix).

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<p>| | |</p>
<table>
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<tbody>
<tr>
<td>Communication</td>
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<td>ENC 1101</td>
<td>English Composition I</td>
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<td>Mathematics</td>
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<td>Precalculus Algebra</td>
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<td>Calculus with Business Applications</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<td>Elements of Statistics</td>
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<tr>
<td>Social Sciences</td>
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</tr>
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<td>Choose one course from each of the following clusters of courses</td>
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<td>Social Sciences: Historical Perspectives:</td>
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<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
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<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
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<td>Social Sciences: Behavioral Perspectives:</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>Social Sciences: Socio-Political Perspectives:</td>
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<td>ANT 2400</td>
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</tr>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<td>Nations and Regions of the World</td>
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<td>GEB 1011</td>
<td>Introduction to Business</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<td>PLA 2013</td>
<td>Survey of American Law</td>
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<td>POS 2041</td>
<td>American Politics</td>
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<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<td>Current Social Problems</td>
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<td>Humanities</td>
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Undergraduate Degrees and Areas of Specialization

Choose one course from each of the following clusters of courses:

**Literature:**
- AML 2072: Sex, Money, and Power in American Literature
- IDH 1040: Honors Core I
- LIT 2030: Introduction to Poetry
- LIT 2040: Introduction to Drama
- LIT 1122: Great Books I
- LIT 2100: Introduction to Literature

**Fine Arts:**
- ARH 1010: Introduction to Art History
- ARH 2050: Western Survey I: Greek to Renaissance
- ARH 2051: Western Survey II: Baroque to Contemporary
- ART 1015C: Exploring Artistic Vision
- ART 2821: Art and Visual Culture Today
- MUH 2930: The Music Experience: Special Topics
- MUL 2110: Music in Western Civilization
- THE 2000: The Theatre Experience
- THE 2300: Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010: Introduction to Philosophy
- PHI 2100: Introduction to Logic
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: Introduction to World Religions
- SPC 2608: Basic Communication Skills

**Natural Sciences:**
- ANT 2511: Biological Anthropology
- ANT 2511L: Biological Anthropology Lab
- AST 3033: Modern Astronomy
- BOT 2010-L: General Botany (+Lab)
- BSC 1005: General Biology for Non-Majors *
- BSC 1005L: General Biology Laboratory for Non-Majors
- BSC 1050: Fundamentals of Ecology
- BSC 1085: Anatomy and Physiology I *
- BSC 1085L: Anatomy and Physiology I Laboratory
- BSC 1086: Anatomy and Physiology II *
- BSC 1086L: Anatomy & Physiology II Laboratory
- BSC 2311: Introduction to Oceanography and Marine Biology *
- BSC 2311L: Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060: Excursions in Computing
- CGS 2060L: Excursions in Computing Lab
- CHM 1020: Concepts in Chemistry *
- CHM 1020L: Concepts in Chemistry Lab
- CHM 1032: Fundamentals of General Chemistry *
- CHM 1032L: Fundamentals of General Chemistry Laboratory
- CHM 2045: General Chemistry I *
- CHM 2045L: General Chemistry I Laboratory
- CHM 2046: General Chemistry II *
- CHM 2046L: General Chemistry II Laboratory
- GEO 1200-L: Physical Geography (+Lab)
- GEO 2330: Environmental Science
- GLY 2010: Physical Geology *
- GLY 2010L: Physical Geology Laboratory
- MCB 1000: Fundamentals of Microbiology *
- MCB 1000L: Fundamentals of Microbiology Laboratory
- PHY 1020: Introduction to Concepts in Physics *
- PHY 1020L: Introduction to Concepts in Physics Laboratory
- PHY 2048: University Physics I **
- PHY 2048L: University Physics I Lab
- PHY 2049: University Physics II **
- PHY 2049L: University Physics II LAB
- PHY 2053: General Physics I **
- PHY 2053L: General Physics I Laboratory
- PHY 2054: General Physics II *
- PHY 2054L: General Physics II Laboratory
- PHZ 1450: Exotic Physics
- ZOO 1010-L: General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/
Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

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<thead>
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<td>Anatomy and Physiology II (+Lab)</td>
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<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)  *</td>
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<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab)  *</td>
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<td>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)  *</td>
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<tr>
<td>CHM 2211+L</td>
<td>Organic Chemistry II (+Lab)  *</td>
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<tr>
<td>MCB 3020+L</td>
<td>Microbiology (+Lab)  *</td>
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<td>STA 2023</td>
<td>Elements of Statistics  *</td>
<td>3</td>
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<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)  *</td>
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* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Major**

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<td>MLS 4220+L</td>
<td>Urinalysis/Body Fluids I (+Lab)</td>
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<tr>
<td>MLS 4305+L</td>
<td>Hematology I (+Lab)</td>
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<tr>
<td>MLS 4334+L</td>
<td>Hemostasis and Thrombosis (+Lab)</td>
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<td>MLS 4460+L</td>
<td>Diagnostic Microbiology I (+Lab)</td>
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<td>MLS 4462+L</td>
<td>Medical Microbiology (+Lab)</td>
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<td>MLS 4505+L</td>
<td>Serology (+Lab)</td>
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<td>MLS 4550+L</td>
<td>Immunohematology I (+Lab)</td>
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<td>MLS 4625+L</td>
<td>Clinical Chemistry I (+Lab)</td>
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<td>MLS 4630+L</td>
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<td>MLS 4705</td>
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**Major-Related**

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<td>HSC 3555</td>
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<td>PCB 3063+L</td>
<td>Genetics (+Lab)</td>
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<td>PCB 4233+L</td>
<td>Immunology (+Lab)</td>
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<td></td>
<td><strong>Total Hours</strong></td>
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</table>
Communication Arts

The B.A. in Communication Arts is grounded in the notion that effective communication is vital to the success of any organization in the 21st century, and the Department of Communication Arts empowers students to creatively manage professional communication challenges. Graduates learn to use technology, speak effectively, write clearly, question, communicate persuasively, explain, critique, edit, solve problems, innovate, lead, reason, practice ethics, and exceed expectations.

The department prepares students for careers in five areas of specialization: Advertising, Communication, Journalism, Public Relations, and Telecommunications and Film. Communication Arts students have been recognized in a resolution by the State of Florida House of Representatives, won the State Advertising Championship seven times, won more than 100 ADDY Awards for Creative Excellence, won a National Forensic Association National Championship, received numerous accolades from the Southeast Journalism Conference, and been recognized with the Florida Public Relations Association’s Golden Image Award multiple times. The department provides students opportunities to extend their classroom education with hands-on skill-building with positions in Nautilus News, The Voyager, UWF Forensics, and a multitude of projects, practica, and community engagement opportunities.

Program Requirements

In addition to the university’s general requirements, students seeking the B.A. in Communication Arts must meet the requirements listed below.

A maximum of 6 sh of lower division course work in Communications may be applied to degree requirements. No grade below a “C-” in a Communication Arts course may be applied toward graduation. Internships for a maximum of 3 sh are available in a variety of settings.

No more than 24% of the program requirements for an undergraduate degree in Communication Arts may be in traditional business subjects.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Studies Curriculum:

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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<td>ENC 1102</td>
<td>English Composition II</td>
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<td>MAC 1114</td>
<td>Trigonometry</td>
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</tr>
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<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td>MAC 2233</td>
<td>Calculus with Business</td>
<td>3</td>
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<td>Elements of Statistics</td>
<td>3</td>
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Social Sciences

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>United States to 1877</td>
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<td>AMH 2020</td>
<td>United States since 1877</td>
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<td>Western Perspectives I</td>
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Social Sciences: Behavioral Perspectives:

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<td>Introduction to Anthropology</td>
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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
<td>3</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
</tr>
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<td>PSY 2012</td>
<td>General Psychology</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tr>
<td>ANT 2400</td>
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<td>Comparative Politics</td>
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<td>Principles of Economics Macro</td>
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<td>Personal Financial Planning</td>
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<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td>3</td>
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<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td>3</td>
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<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td>3</td>
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<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</table>

Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>
Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072   Sex, Money, and Power in American Literature
- IDH 1040   Honors Core 1
- LIT 2030   Introduction to Poetry
- LIT 1122   Great Books I
- LIT 2100   Introduction to Literature

**Fine Arts:**
- ARH 1010   Introduction to Art History
- ARH 2050   Western Survey I: Greek to Renaissance
- ARH 2051   Western Survey II: Baroque to Contemporary
- ART 1015C  Exploring Artistic Vision
- ART 2821   Art and Visual Culture Today
- MUL 2110  Music in Western Civilization
- THE 2000  The Theatre Experience
- THE 2300  Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010  Introduction to Philosophy
- PHI 2100  Introduction to Logic
- PHI 2103  Critical Thinking
- PHI 2603  Ethics in Contemporary Society
- REL 1300  Introduction to World Religions
- SPC 2608  Basic Communication Skills

**Natural Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010-L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
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</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology</td>
<td>1</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<tr>
<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
<td>3</td>
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<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
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<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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<tr>
<td>GEO 1200-L</td>
<td>Physical Geography (+Lab)</td>
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<td>GEO 2330</td>
<td>Environmental Science</td>
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<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
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<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
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<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
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<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010-L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

| Total Semester Hours: | 36-37 |

Students should take SPC 2608 Basic Communication Skills to meet the contemporary values and expression component and MMC 2000 Principles of Mass Communication to meet the socio-political perspectives component.
### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual for course substitutions from Florida colleges and universities.  

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000/2000 level courses outside major</td>
<td>18</td>
</tr>
<tr>
<td>Total Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement.  

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Division Electives</td>
<td>6</td>
</tr>
<tr>
<td>Total Hours</td>
<td>6</td>
</tr>
</tbody>
</table>

It is recommended that these courses be taken at the lower division because they are required for the degree.

**Advertising majors:**

- ADV 2214 Advertising Graphics I  
- JOU 2100 Newspaper Reporting  
- MMC 2000 Principles of Mass Communication  

**Communication majors:**

- SPC 2300 Introduction to Interpersonal Communication  
- SPC 2608 Basic Communication Skills  

**Public Relations Majors:**

- ADV 2214 Advertising Graphics I  
- JOU 2100 Newspaper Reporting  
- STA 2023 Elements of Statistics  

**Telecommunication and Film Majors:**

- MMC 2000 Principles of Mass Communication  

### Advertising Specialization

The Advertising Specialization at UWF prepares students to pursue careers with advertising agencies, advertisers, and the media in marketing, account management, media, sales, promotion, and creative design.

**Major**

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3000 Introduction to Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3101 Creative Strategy and Tactics I</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3213 Advertising Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3300 Advertising Media</td>
<td>3</td>
</tr>
<tr>
<td>ADV 4202 Creative Strategy and Tactics II</td>
<td>3</td>
</tr>
<tr>
<td>ADV 4802 Integrated Campaigns-Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3100 Writing for Public Relations</td>
<td>3</td>
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<tr>
<td>3000/4000 level Communication Arts electives</td>
<td>12</td>
</tr>
<tr>
<td>Total Hours</td>
<td>42</td>
</tr>
</tbody>
</table>

**Recommended electives:**

- ADV 4801 National Student Advertising Competition *  
- SPC 4540 Propaganda and Persuasion *  
- COM 4940 Internship in Communication *  
- PUR 3000 Principles of Public Relations  

* Requires one or more prerequisites

### Major-Related

Students must complete a minor or its 15 sh equivalent in a field related to the student’s career objectives and additional approved 3000/4000 level electives outside communication arts.  

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hours</td>
<td>15-18</td>
</tr>
</tbody>
</table>

### Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.  

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hours</td>
<td>0-6</td>
</tr>
</tbody>
</table>

### Communication Specialization

The Communication program prepares students to fulfill leadership roles in human resources, event planning, management, and media relations. All Communication graduates earn Leadership Skills Certification.

**Required Communication Core**

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 2300 Introduction to Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3605 Speech Writing, Analysis, and Delivery</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4800 Communication Research</td>
<td>3</td>
</tr>
<tr>
<td>COM 4620 Communication Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td>15</td>
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</table>

### Integrated Skills

Choose six hours from each category below.  

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Total Hours</td>
<td>18</td>
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</tbody>
</table>

### Rhetorical Emphasis

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 4513 Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4540 Propaganda and Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4680 Rhetorical Criticism</td>
<td>3</td>
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</table>

### Relational Emphasis

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4014 Gender and Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4465 Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4710 Intercultural Communication</td>
<td>3</td>
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</table>

### Professional Contexts

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>COM 4022 Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4120 Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4650 Political Communication</td>
<td>3</td>
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</table>

### Integrated Capstone Experiences

Choose three semester hours from the following:

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4103 Leadership Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4940 Internship in Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3593 Practicum in Forensics</td>
<td>3</td>
</tr>
</tbody>
</table>

### 3000/4000 Level Communication Arts electives

3000/4000 level Communication Arts electives  

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hours</td>
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</tbody>
</table>
Major-Related

Students must complete a minor or its 15 sh equivalent in a field related to the student’s career objectives and additional approved 3000/4000 level electives outside Communication Arts.

Total Hours 18-21

Journalism Specialization

The Journalism specialization prepares students for responsibilities in contemporary news media.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 2100</td>
<td>Newspaper Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOU 3314</td>
<td>Environmental Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOU 3342</td>
<td>Media Convergence</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4201</td>
<td>Newspaper Editing</td>
<td>3</td>
</tr>
<tr>
<td>MMC 4201</td>
<td>The Constitution and the Press</td>
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</tr>
</tbody>
</table>

If not completed at the lower division:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td>3</td>
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</table>

Journalism Track 15

Total Hours 30

Journalism Options

Students must choose one of the following options:

Electronic Media Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>RTV 3200</td>
<td>Television Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 3301</td>
<td>Broadcast Journalism</td>
<td>3</td>
</tr>
<tr>
<td>RTV 3320</td>
<td>Electronic Field Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 3942</td>
<td>Practicum: Television News</td>
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</table>

Total Hours 15

Print Media Option

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>JOU 3940</td>
<td>Practicum: Voyager</td>
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Choose three of the following: 9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>JOU 3300</td>
<td>Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4181</td>
<td>Public Affairs Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4213</td>
<td>Newspaper Design</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4302</td>
<td>Editorial Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4306</td>
<td>Writing Critical Reviews</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4308</td>
<td>Magazine Writing</td>
<td>3</td>
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<tr>
<td>MMC 3261</td>
<td>Computer Mediated Communication</td>
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Choose one of the following: 3

<table>
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<tr>
<th>Course</th>
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<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>COM 4940</td>
<td>Internship in Communication</td>
<td>3</td>
</tr>
<tr>
<td>JOU 3940</td>
<td>Practicum: Voyager</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 15

Public Relations Specialization

The Public Relations Specialization at UWF ranked one of the “Top 100 PR Programs in the U.S.” This specialization prepares students for communication careers in corporate and organizational settings including health, education, entertainment, sports, and travel.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 2214</td>
<td>Advertising Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3213</td>
<td>Advertising Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3000</td>
<td>Principles of Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3100</td>
<td>Writing for Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4203</td>
<td>Public Relations Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4600</td>
<td>Communication Management</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4930</td>
<td>Current Issues and Trends in Public Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose either one 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>PUR 4400</td>
<td>Crisis Public Relations</td>
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</tr>
<tr>
<td>PUR 4407</td>
<td>Managing Media Relations</td>
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<tr>
<td>3000/4000 level Communication Arts electives</td>
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Choose one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>COM 3948</td>
<td>Service Learning Field Study II</td>
<td>3</td>
</tr>
<tr>
<td>COM 4940</td>
<td>Internship in Communication</td>
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</table>

If not completed at the lower division: 0-3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 3261</td>
<td>Media Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 36-39

Major-Related

Graduates assume many different roles, including communication director, media specialist, and sports promoter.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 2214</td>
<td>Advertising Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3213</td>
<td>Advertising Graphics II</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3000</td>
<td>Principles of Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3100</td>
<td>Writing for Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4203</td>
<td>Public Relations Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4600</td>
<td>Communication Management</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4930</td>
<td>Current Issues and Trends in Public Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose either one 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>PUR 4400</td>
<td>Crisis Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PUR 4407</td>
<td>Managing Media Relations</td>
<td>3</td>
</tr>
<tr>
<td>3000/4000 level Communication Arts electives</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3948</td>
<td>Service Learning Field Study II</td>
<td>3</td>
</tr>
<tr>
<td>COM 4940</td>
<td>Internship in Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

If not completed at the lower division: 0-3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 2100</td>
<td>Newspaper Reporting</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 18-21

Upper Division Electives

Course List Student must complete sufficient 3000/4000 level electives to meet UWF's requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 0-6

Telecommunication and Film Specialization

The Telecommunications and Film program teaches students management and production of the art and craft of television, radio, and film. Future positions for graduates range from news anchor to station manager to filmmaker.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4102</td>
<td>Writing for Film-Television-Radio</td>
<td>3</td>
</tr>
<tr>
<td>MMC 4203</td>
<td>Media Ethics</td>
<td>3</td>
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</table>

Choose three of the following: 9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4940</td>
<td>Internship in Communication</td>
<td>3</td>
</tr>
<tr>
<td>FIL 4435</td>
<td>Digital Film Making</td>
<td>3</td>
</tr>
<tr>
<td>RTV 3200</td>
<td>Television Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 3210</td>
<td>Radio Production</td>
<td>3</td>
</tr>
<tr>
<td>RTV 3320</td>
<td>Electronic Field Production</td>
<td>3</td>
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</tbody>
</table>

Choose three of the following: 9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4620</td>
<td>Communication Ethics</td>
<td>3</td>
</tr>
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</table>

Total Hours 0-6
### Undergraduate Degrees and Areas of Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 4036</td>
<td>History of Motion Pictures I</td>
</tr>
<tr>
<td>FIL 4037</td>
<td>History of Motion Pictures II</td>
</tr>
<tr>
<td>FIL 4364</td>
<td>Documentary Film and Television</td>
</tr>
<tr>
<td>MMC 4201</td>
<td>The Constitution and the Press</td>
</tr>
<tr>
<td>MMC 4300</td>
<td>Global Communication</td>
</tr>
<tr>
<td>RTV 3700</td>
<td>Broadcast Management and Regulation</td>
</tr>
</tbody>
</table>

**Choose one of the following:**

- RTV 3942  Practicum: Television News
- FIL 4439C Practicum: Film Production

If not completed at the lower division:

- MMC 2000  Principles of Mass Communication

**Total Hours:** 27-30

### Major-Related

Students must complete a minor or its 15 sh equivalent in a field related to the student’s career objectives and additional approved 3000/4000 level electives outside communication arts.

**Total Hours:** 30-33

### Minors

#### General Communication

The department offers a Minor in Communication for students from other disciplines in which communication plays a vital role. The minor consists of at least 15 sh of communication arts courses. Communication Arts majors may not earn this minor.

To fulfill the requirements for the minor, a student must complete 15 sh of the required courses in a program of study (advertising, journalism, communication, public relations, telecommunication and film).

**Total Hours:** 15

#### Leadership Communication

The Leadership Communication program promotes leadership communication competencies, self-confidence, ethical character, and service to others. The program involves hands-on learning activities that empower students to apply and to develop leadership skills in a range of university, community, and professional environments.

Students completing the Leadership Communication Minor will also earn a Leadership Certificate, which will be noted on their transcripts. Communication Arts majors may earn the certificate, but not the minor.

**Choose one of the following:**

- SPC 3605  Speech Writing, Analysis, and Delivery
- COM 4103  Leadership Communication
- SPC 4540  Propaganda and Persuasion

**Choose three of the following:**

- COM 4120  Organizational Communication
- COM 4014  Gender and Communication
- COM 4022  Health Communication
- SPC 3301  Interpersonal Communication
- SPC 4650  Political Communication
- SPC 4651  Rhetoric of Social Movement
- SPC 4640  American Public Address

If not taken at the lower level:

- SPC 2608  Basic Communication Skills

**Total Hours:** 12-15

### Certificates

#### Leadership Communication Certificate

The Leadership Communication program promotes leadership communication competencies, self-confidence, ethical character, and service to others. The program involves hands-on learning activities that empower students to apply and to develop leadership skills in a range of university, community, and professional environments.

**Choose one of the following:**

- SPC 3605  Speech Writing, Analysis, and Delivery
- COM 4103  Leadership Communication
- SPC 4540  Propaganda and Persuasion

**Choose three of the following:**

- COM 4120  Organizational Communication
- COM 4014  Gender and Communication
- COM 4022  Health Communication
- SPC 3301  Interpersonal Communication
- SPC 4650  Political Communication
- SPC 4651  Rhetoric of Social Movement
- SPC 4640  American Public Address

If not taken at the lower level:

- SPC 2608  Basic Communication Skills

**Total Hours:** 12-15
Community Health Education

A degree in Community Health Education is designed to provide students with the necessary skills to work with individuals and communities to improve health behaviors and prevent disease, disability, and premature death. Community health educators work in a variety of settings: local, state and federal government, including public health agencies; schools; community organizations; non-profit voluntary health agencies; worksite wellness programs; hospitals; and college health.

The Bachelor of Science in Community Health Education is based upon standards endorsed by the National Commission for Health Education Credentialing (NCHEC), Society of Public Education (SOPHE) & the American Association for Health Education (AAHE). Program graduates are encouraged to sit for the Certified Health Education Specialist (CHES) examination.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Community Health Education must meet the requirements listed below.

Community Health Education majors are required to take HSC 3406C Advanced First Aid and Emergency Care as part of their major; this class certifies each student in CPR. Students must maintain current CPR certification while pursuing this major. Upon completing this degree, students will be prepared to take the CHES (Certified Health Education Specialist) exam.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101</td>
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<table>
<thead>
<tr>
<th>Mathematics</th>
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<tbody>
<tr>
<td>MAC 1105</td>
</tr>
<tr>
<td>MAC 1114</td>
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<tr>
<td>MAC 1140</td>
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<tr>
<td>MAC 2233</td>
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<tr>
<td>MAC 2311</td>
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<tr>
<td>MAC 2312</td>
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<td>MGF 1106</td>
</tr>
<tr>
<td>MGF 1107</td>
</tr>
<tr>
<td>STA 2023</td>
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<table>
<thead>
<tr>
<th>Social Sciences</th>
</tr>
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<tbody>
<tr>
<td>9</td>
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</table>

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
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<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
</tr>
<tr>
<td>AMH 2020 United States since 1877</td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001 Western Perspectives II</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Sciences: Behavioral Perspectives:</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
</tr>
<tr>
<td>SOW 2192 Understanding Relationships in the 21st Century</td>
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</table>

<table>
<thead>
<tr>
<th>Social Sciences: Socio-Political Perspectives:</th>
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<tbody>
<tr>
<td>ANT 2400 Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002 Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013 Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104 Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000 Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011 Introduction to Business</td>
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<tr>
<td>IDH 1041 Honors Core 2</td>
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<tr>
<td>INR 2002 International Politics</td>
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<tr>
<td>MMC 2000 Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013 Survey of American Law</td>
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<tr>
<td>POS 2041 American Politics</td>
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<tr>
<td>SYG 2000 Introduction to Sociology</td>
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<td>SYG 2010 Current Social Problems</td>
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<table>
<thead>
<tr>
<th>Humanities: 8-9</th>
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<tr>
<td>Choose one course from each of the following clusters of courses</td>
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<tr>
<td>Literature:</td>
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<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<tr>
<td>IDH 1040 Honors Core 1</td>
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<tr>
<td>LIT 2030 Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040 Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122 Great Books I</td>
</tr>
<tr>
<td>LIT 2100 Introduction to Literature</td>
</tr>
<tr>
<td>Fine Arts:</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>ARH 1010 Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821 Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930 The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110 Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
</tr>
<tr>
<td>Contemporary Values and Expressions:</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
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<tr>
<td>PHI 2100 Introduction to Logic</td>
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<tr>
<td>PHI 2103 Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603 Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300 Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
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</table>

<table>
<thead>
<tr>
<th>Natural Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
</tr>
</tbody>
</table>
Take two of the following courses, including at least one with lab:

- **ANT 2511** Biological Anthropology 3
- **ANT 2511L** Biological Anthropology Lab 1
- **AST 3033** Modern Astronomy 3
- **BOT 2010+L** General Botany (+Lab) 4
- **BSC 1005** General Biology for Non-Majors * 3
- **BSC 1005L** General Biology Laboratory for Non-Majors 1
- **BSC 1050** Fundamentals of Ecology 3
- **BSC 1085** Anatomy and Physiology I * 3
- **BSC 1085L** Anatomy and Physiology I Laboratory 1
- **BSC 1086** Anatomy and Physiology II * 3
- **BSC 1086L** Anatomy & Physiology II Laboratory 1
- **BSC 2311** Introduction to Oceanography and Marine Biology * 3
- **BSC 2311L** Introduction to Oceanography and Marine Biology Laboratory 1
- **CGS 2060** Excursions in Computing 3
- **CGS 2060L** Excursions in Computing Lab 1
- **CHM 1020** Concepts in Chemistry * 3
- **CHM 1020L** Concepts in Chemistry Lab 1
- **CHM 1032** Fundamentals of General Chemistry * 3
- **CHM 1032L** Fundamentals of General Chemistry Laboratory 1
- **CHM 2045** General Chemistry I * 3
- **CHM 2045L** General Chemistry I Laboratory 1
- **CHM 2046** General Chemistry II * 3
- **CHM 2046L** General Chemistry II Laboratory * 1
- **GEO 1200+L** Physical Geography (+Lab) 4
- **GEO 2330** Environmental Science 3
- **GLY 2010** Physical Geology * 3
- **GLY 2010L** Physical Geology Laboratory 1
- **MCB 1000** Fundamentals of Microbiology * 3
- **MCB 1000L** Fundamentals of Microbiology Laboratory 1
- **PHY 1020** Introduction to Concepts in Physics * 3
- **PHY 1020L** Introduction to Concepts in Physics Laboratory 1
- **PHY 2048** University Physics I ** 3
- **PHY 2048L** University Physics I Lab 1
- **PHY 2049** University Physics II ** 3
- **PHY 2049L** University Physics II Lab 1
- **PHY 2053** General Physics I * 3
- **PHY 2053L** General Physics I Laboratory 1
- **PHY 2054** General Physics II * 3
- **PHY 2054L** General Physics II Laboratory 1
- **PHZ 1450** Exotic Physics 3
- **ZOO 1010+L** General Zoology (+Lab) 4

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc.portal/Home_Page/Student%20Services/College_Transfer_Center/)

Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

- **BSC 1085-L** Anatomy and Physiology I (+Lab) * 4
- **BSC 1086-L** Anatomy and Physiology II (+Lab) * 4
- **PSY 2012** General Psychology * 3
- **SYG 2000** Introduction to Sociology * 3
- **STA 2023** Elements of Statistics * 3
- **SPC 2608** Basic Communication Skills * 3
- **HSC 2100** Personal Health 3
- **HSC 2577** Principles of Nutrition 3

Total Hours 26

* Indicates common prerequisites which can be used to satisfy General Studies requirements

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 0-18

Recommend HSC 2100 Personal Health be taken at the lower division.

**Major**

- **HSC 3032** Foundations in Health Education 3
- **HSC 3406C** Advanced First Aid and Emergency Care 3
- **HSC 4104** Health Aspects of Stress Management 3
- **HSC 4120** Consumer Health Education 3
- **HSC 4133** Health Aspects of Human Sexuality 3
- **HSC 4143** Drugs in Society 3
- **HSC 4211** Human Environmental Health 3
- **HSC 4300** Changing Health Behaviors 3
- **HSC 4500** Epidemiology 3
- **HSC 4551** Communicable and Degenerative Diseases 3
- **HSC 4572** Nutrition and Health 3
- **HSC 4581** Health Promotion and Planning 3
- **HSC 4633** Current Issues in School-Community Health 3
- **HSC 4940** Internship 1-6

Total Hours 40-45

**Major-Related**

- **CLP 4314** Health Psychology 3

Choose two of the following:

- **APK 3110+L** Exercise Physiology (+Lab)
- **COM 4022** Health Communication
- **HSC 3535** Introduction to Medical Terminology
- **STA 4173** Biostatistics

Total Hours 9

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 6

**Minors**
Community Health Promotion

Students earning the Minor in Community Health Promotion will be able to assess individual and community/worksite needs for community health services, develop analytical skills to examine needs assessment data and determine priority area(s) of community health services, compare and contrast health promotion program planning models and theories for application in a health promotion and wellness setting, and plan and implement effective community health promotion programs. Community Health Education majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HSC 4120</td>
<td>Consumer Health Education</td>
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</tr>
<tr>
<td>Choose one of the following Health Foundations courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSC 4133</td>
<td>Health Aspects of Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>HSC 4143</td>
<td>Drugs in Society</td>
<td></td>
</tr>
<tr>
<td>HSC 4551</td>
<td>Communicable and Degenerative Diseases</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following Community Health and Environment courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSC 4104</td>
<td>Health Aspects of Stress Management</td>
<td></td>
</tr>
<tr>
<td>HSC 4211</td>
<td>Human Environmental Health</td>
<td></td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td></td>
</tr>
<tr>
<td>HSC 4633</td>
<td>Current Issues in School-Community Health</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following Health Care courses:</td>
<td>3</td>
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</tr>
<tr>
<td>CLP 4314</td>
<td>Health Psychology</td>
<td></td>
</tr>
<tr>
<td>HSC 4300</td>
<td>Changing Health Behaviors</td>
<td></td>
</tr>
<tr>
<td>HSC 4572</td>
<td>Nutrition and Health</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 12
Computer Engineering

The Computer Engineering program at UWF is accredited by the Engineering Accreditation Commission of ABET, Inc. The B.S.C.E prepares students to embark upon a professional career in computer engineering or to begin a graduate program.

Graduates will be known for their accomplishments in the early stage of their careers, and they should be able to do the following:

- Develop computer engineering solutions individually and through interdisciplinary teams within a global and societal context
- Professionally and ethically engage in technical or business activity through engineering ability, communication skills, and knowledge
- Continue professional growth through post-graduate education, continuing education, or professional activity
- Contribute to the Northwest Florida regional economic development

The objective of the program is to provide students with a strong theoretical and practical background in computer hardware and software, along with the engineering analysis, design, and implementation skills necessary to work between the two. A computer engineer is someone with the ability to design a complete computer system—from its circuits to its operating system to the algorithms that run on it. Although it is valid to look at software and hardware separately, a computer engineer must take a more holistic approach. If an electronic device can be called a computer, it must produce mathematically meaningful results. Similarly, any useful theory of computing must be physically realizable. The synthesis of theory and algorithms, which must take place before any useful computing can be achieved, is the job of the computer engineer. To produce such engineers is the mission of this program.

Computer engineering deals with the body of knowledge that forms the theoretical and practical basis for the storage, retrieval, processing, analysis, recognition, and display of information. This area also includes the design and implementation of computer systems and peripheral devices for information handling and engineering applications. The computer engineering curriculum provides a balance of hardware, software, and computer theory and applications with a basic background in electrical engineering. Nine credits of electives are included to permit a student to delve deeply into selected subject matter. Computer engineers find career opportunities in a wide variety of companies or organizations involving the design, development, building, testing, and operation of computer systems. Computer engineers deal with both hardware and software (programming) problems. In designing a computer system, computer engineers must decide how much of the computer logic to put into hardware and how much to put into software. The work of computer engineers and computer scientists overlap and the two are often confused. Computer engineers tend to be more involved with the computer hardware, whereas computer scientists tend to be more involved with the computer software, with less emphasis on hardware.

Program Requirements

Students are required to have a laptop or tablet PC. Students should check with the department for minimum hardware configurations (http://uwf.edu/ece/undergraduate/Laptop%20or%20Tablet%20PC.doc). Please visit our website (http://uwf.edu/ece) for more information about our program, including a list of department scholarships (http://uwf.edu/ece/scholarships) and answers to some frequently asked questions (http://uwf.edu/ece/faq).

In addition to the university’s general requirements, students seeking the B.S. in Computer Engineering must meet the requirements listed below:

A minimum course grade of “C” or better is required in the Computer Engineering core courses and all computer science courses (COT, CEN, CIS or COP prefix), which is all of the following courses:

- COP 3530C Data Structures and Algorithms I
- COP 4534C Data Structures and Algorithms II
- COP 4634C Systems & Networks I
- COP 4635C Systems & Networks II
- EEE 3308 Electronic Circuits I
- EEE 3396 Solid-State Electronic Devices
- EEL 3111 Circuits I
- EEL 3112 Circuits II
- EEL 3125 Discrete-Time Signals and Systems
- EEL 3701 Digital Logic and Computer Systems

In addition, any courses that are prerequisites to an engineering or computer science course must also be completed with a minimum grade of a “C” prior to taking the course. This includes the following engineering courses and labs:

- EGM 4313 Intermediate Engineering Analysis
- EGN 3203 Engineering Software Tools
- EEE 4308L Electrons Laboratory
- EEL 3117L Electrical Circuits Laboratory
- EEL 3701L Digital Logic and Computer Systems Laboratory
- EEL 4744+L Microprocessor Applications (+Lab)
- EEL 4834 Programming for Engineers

Finally, the following 3 courses also require a minimum C grade:

- EGN 4410 Capstone Design I
- EGN 4411L Capstone Design II
- STA 4321 Introduction to Mathematical Statistics I

For COP 3530C Data Structures and Algorithms I lists COP 3014C Algorithm and Program Design as a prerequisite. Computer Engineering students comfortable with programming may use EEL 4834 Programming for Engineers as the prerequisite instead.

However, we strongly suggest that students who have little or no programming background take COP 3014C Algorithm and Program Design prior to taking Data Structures. This course will count as their Engineering/Computer Science Elective (see major requirements below).

For COP 4634C Systems & Networks I officially lists CDA 3101C Introduction to Computer Organization as a prerequisite. This course is required for Computer Science majors. Computer Engineering students must successfully complete EEL 3701 Digital Logic and Computer Systems with a minimum C grade instead. Other engineering courses may require a “C” grade if they are prerequisites to the EEL/EEE electives.

Corequisites to a course may be taken the same semester as the course or successfully completed prior to taking the course.

Students should consult with their academic advisor for courses that may satisfy both the General Studies requirements and common prerequisites.

The Computer Engineering curriculum is designed to yield a set of outcomes. Each upper division course within the curriculum contributes to at least one of these outcomes. A list of our current outcomes and how they map to our program can be found.
All seniors must complete an exit interview and submit a copy of their senior design report before graduating.

General Studies
In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
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</table>

<table>
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<tr>
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<td>MAC 1114</td>
<td>Trigonometry</td>
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<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td>Calculus with Business Applications</td>
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<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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<table>
<thead>
<tr>
<th>Social Sciences</th>
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<tbody>
<tr>
<td>Choose one course from each of the following clusters of courses</td>
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<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
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<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
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<tr>
<td>AMH 2020 United States since 1877</td>
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<tr>
<td>EUH 1000 Western Perspectives I</td>
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<td>EUH 1001 Western Perspectives II</td>
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<tr>
<td>ANT 2000 Introduction to Anthropology</td>
<td></td>
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<tr>
<td>ANT 2100 Introduction to Archaeology</td>
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<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
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<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
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<td>PSY 2012 General Psychology</td>
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<td>SOW 2192 Understanding Relationships in the 21st Century</td>
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<tr>
<th>Social Sciences: Socio-Political Perspectives:</th>
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<tbody>
<tr>
<td>ANT 2400 Current Cultural Issues</td>
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<tr>
<td>CPO 2002 Comparative Politics</td>
<td></td>
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<tr>
<td>ECO 2013 Principles of Economics Macro</td>
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<tr>
<td>FIN 2104 Personal Financial Planning</td>
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<tr>
<td>GEA 2000 Nations and Regions of the World</td>
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<tr>
<td>GEB 1011 Introduction to Business</td>
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<tr>
<td>IDH 1041 Honors Core 2</td>
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<td>INR 2002 International Politics</td>
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<td>MMC 2000 Principles of Mass Communication</td>
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<tr>
<td>PLA 2013 Survey of American Law</td>
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<td>POS 2041 American Politics</td>
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<td>SYG 2000 Introduction to Sociology</td>
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<td>SYG 2010 Current Social Problems</td>
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<table>
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<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>LIT 2030 Introduction to Poetry</td>
<td></td>
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<tr>
<td>LIT 2040 Introduction to Drama</td>
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<tr>
<td>LIT 1122 Great Books I</td>
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</tr>
<tr>
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<table>
<thead>
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<tbody>
<tr>
<td>ARH 1010 Introduction to Art History</td>
<td></td>
</tr>
<tr>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
<td></td>
</tr>
<tr>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C Exploring Artistic Vision</td>
<td></td>
</tr>
<tr>
<td>ART 2821 Art and Visual Culture Today</td>
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<tr>
<td>MUH 2930 The Music Experience: Special Topics</td>
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<td>MUL 2110 Music in Western Civilization</td>
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<tr>
<td>THE 2000 The Theatre Experience</td>
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<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
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<table>
<thead>
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<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHI 2100 Introduction to Logic</td>
<td></td>
</tr>
<tr>
<td>PHI 2103 Critical Thinking</td>
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</tr>
<tr>
<td>PHI 2603 Ethics in Contemporary Society</td>
<td></td>
</tr>
<tr>
<td>REL 1300 Introduction to World Religions</td>
<td></td>
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<tr>
<td>SPC 2608 Basic Communication Skills</td>
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<thead>
<tr>
<th>Natural Sciences</th>
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Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Literature:</th>
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<tr>
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<td>ART 2821 Art and Visual Culture Today</td>
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<td>MUH 2930 The Music Experience: Special Topics</td>
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<td>SPC 2608 Basic Communication Skills</td>
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<table>
<thead>
<tr>
<th>Natural Sciences</th>
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</table>
Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
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<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors*</td>
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<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
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<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
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<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology*</td>
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</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology Laboratory</td>
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<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<tr>
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<td>Excursions in Computing Lab</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry*</td>
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<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
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<td>CHM 1032</td>
<td>Fundamentals of General Chemistry*</td>
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<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
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<tr>
<td>CHM 2045</td>
<td>General Chemistry I*</td>
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<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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<td>CHM 2046</td>
<td>General Chemistry II*</td>
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<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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<td>GEO 2330</td>
<td>Environmental Science</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
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<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<tr>
<td>MCB 1000L</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics*</td>
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<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I**</td>
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<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<td>PHY 2049</td>
<td>University Physics II**</td>
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<td>PHY 2053</td>
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<td>PHY 2054</td>
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<td>PHZ 1450</td>
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<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
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</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites. It is recommended that students take a course in literature, fine arts, behavioral science and the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td>3</td>
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</tbody>
</table>

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### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Students who have not completed the math and science prerequisites will be admitted to Pre-Computer Engineering, then changed to Computer Engineering once they have successfully completed the courses. A minimum of a "C" grade is required in the math and science courses below. In addition, a technical GPA will be calculated using the grades achieved in the latest attempt of each of the 7 courses. This GPA must be a minimum 2.3 average for admission to the program. Note that the labs are required for Physics and Chemistry, but a "C" is not required (although a passing grade is required), nor are they used in the calculation of the technical GPA.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
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<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
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<td>MAP 2302</td>
<td>Differential Equations</td>
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<td>PHY 2048+L</td>
<td>University Physics I (+Lab)</td>
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<tr>
<td>PHY 2049+L</td>
<td>University Physics II (+Lab)</td>
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</table>

Total Hours: 27

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Note that students may begin taking engineering courses prior to completing all of these math and science prerequisites, but they must complete those math and science courses (with a minimum of a "C" grade) listed as prerequisites to any engineering classes they wish to take.

### Major

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<td>Data Structures and Algorithms I</td>
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<td>COP 4534C</td>
<td>Data Structures and Algorithms II</td>
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</tr>
<tr>
<td>COP 4634C</td>
<td>Systems &amp; Networks I</td>
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<td>EEE 3308</td>
<td>Electronic Circuits I</td>
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<td>EEE 3396</td>
<td>Solid-State Electronic Devices</td>
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<td>EEE 4308L</td>
<td>Electronics Laboratory</td>
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<tr>
<td>EEL 3111</td>
<td>Circuits I</td>
<td>3</td>
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<td>EEL 3112</td>
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<td>EEL 3117L</td>
<td>Electrical Circuits Laboratory</td>
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<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems</td>
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<tr>
<td>EEL 3701+L</td>
<td>Digital Logic and Computer Systems (+Lab)</td>
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<td>EEL 4712+L</td>
<td>Digital Design (+Lab)</td>
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<td>EEL 4713</td>
<td>Digital Computer Architecture</td>
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<td>EEL 4744+L</td>
<td>Microprocessor Applications (+Lab)</td>
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<td>EEL 4834</td>
<td>Programming for Engineers</td>
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<tr>
<td>EGM 4313</td>
<td>Intermediate Engineering Analysis</td>
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<td>EGN 3203</td>
<td>Engineering Software Tools</td>
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<td>EGN 4032</td>
<td>Professional Ethics</td>
<td>3</td>
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<tr>
<td>EGN 4410</td>
<td>Capstone Design I</td>
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<tr>
<td>EGN 4411L</td>
<td>Capstone Design II</td>
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</table>
Advisor approved EEL/EEE electives 1 9
Total Hours 70

1 EEL/EEE Elective restrictions: These electives must begin with the EEL or EEE prefix and cannot be otherwise required for the program. A maximum of 3 sh in EEL 4949 Co-Op Work Experience, 3 sh in EEL 4905 Individual Problems in Electrical Engineering, and 2 sh of EEL 4940 Engineering Internship will be accepted as EEL/EEE elective credits. In addition, combined experiential learning credits (EEL 4940 Engineering Internship and EEL 4949 Co-Op Work Experience) are limited to a maximum of 3 credits toward electives. Consult the Department for the current list of approved EEL/EEE Elective courses.

Note that EGN 4410 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design I and EGN 4411L (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design II is the senior design project. This final project is the culmination of the engineering education. As such, this sequence of courses must be taken in the last 2 semesters of a student’s program. Seniors must see the academic advisor in order to register for them. Note that even though they aren’t prerequisites, we highly recommend that our students complete both EEL 4744 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Microprocessor Applications and EEE 3308 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Electronic Circuits I prior to taking EGN 4411L (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design II.

Major-Related

STA 4321 Introduction to Mathematical Statistics I 3
Advisor-approved Engineering or Computer Science Elective 3 3
Advisor-approved professional development elective 4 3
Total Hours 9

2 Note that EGN 4410 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design I and EGN 4411L (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design II is the senior design project. This final project is the culmination of the engineering education. As such, this sequence of courses must be taken in the last 2 semesters of a student’s program. Seniors must see the academic advisor in order to register for them. Note that even though they aren’t prerequisites, we highly recommend that our students complete both EEL 4744 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Microprocessor Applications and EEE 3308 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Electronic Circuits I prior to taking EGN 4411L (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design II.

Major-Related

STA 4321 Introduction to Mathematical Statistics I 3
Advisor-approved Engineering or Computer Science Elective 3 3
Advisor-approved professional development elective 4 3
Total Hours 9

3 See your academic advisor for a list of acceptable electives. Students with little or no programming background should take COP 3014C Algorithm and Program Design.

4 Work with your academic advisor to choose an elective that will aid you in your career objectives. Typical courses for this elective include, but are not limited to, CIS 3512 Software Documentation, PHY 4513 Thermodynamics and Kinetic Theory, ENC 3240 Technical Writing (requires a minimum grade of a C), ENC 3250 Professional Writing, EGN 1002 Introduction to Engineering, additional EEL/EEE elective credits beyond the 9 required above, and EIN 4354 Engineering Economy.

Minors

Computer Engineering

A computer engineering minor provides an opportunity for students majoring in other areas to take a limited number of computer engineering courses to complement their majors. The minor in computer engineering is open to all UWF students with the exception of computer and electrical engineering majors. Students applying for the minor must have a declared major.

Students may not take a course and its prerequisite during the same semester.
Computer Science

The B.S. in Computer Science is composed of three specializations: Computer Science, Computer Information Systems, and Software Engineering. See each specialization for a detailed description.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Computer Science must meet the requirements listed below.

A minimum grade of "C-" is required for all courses in the major with a cumulative major GPA of 2.5 or higher. Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

Computer Information Systems Specialization

The Computer Information Systems (CIS) specialization integrates the foundation of information systems principles with concepts in modern programming languages, database systems, software engineering principles, and net-centric applications. The focus of this specialization is on problem solving in applications development.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

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<tbody>
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<tr>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
</tbody>
</table>

| Social Sciences | 9 |

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Current Social Problems

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature:

- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 2100 Introduction to Literature
- LIT 2122 Great Books I
- LIT 2102 Introduction to Literature

Fine Arts:

- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015 Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUSIC 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:

- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
The following courses are recommended to complete general studies requirements:

**Mathematics**
- PHI 2603 Modern Astronomy 3
- BOT 2010+L General Botany (+Lab) 4

**Humanities/Contemporary Values**
- BSC 1005 General Biology for Non-Majors 3
- BSC 1005L General Biology Laboratory for Non-Majors 1
- BSC 1050 Fundamentals of Ecology 3
- BSC 1085 Anatomy and Physiology I 3
- BSC 1085L Anatomy and Physiology I Laboratory 1
- BSC 1086 Anatomy and Physiology II 3
- BSC 1086L Anatomy & Physiology II Laboratory 1
- BSC 2311 Introduction to Oceanography and Marine Biology 3
- BSC 2311L Introduction to Oceanography and Marine Biology Laboratory 1
- CGS 2060 Excursions in Computing 3
- CGS 2060L Excursions in Computing Lab 1
- CHM 1020 Concepts in Chemistry 3
- CHM 1020L Concepts in Chemistry Lab 1
- CHM 1032 Fundamentals of General Chemistry 3
- CHM 1032L Fundamentals of General Chemistry Laboratory 1
- CHM 2045 General Chemistry I 3
- CHM 2045L General Chemistry I Laboratory 1
- CHM 2046 General Chemistry II 3
- CHM 2046L General Chemistry II Laboratory 1
- GEO 1200+L Physical Geography (+Lab) 4
- GEO 2330 Environmental Science 3
- GLY 2010 Physical Geology 3
- GLY 2010L Physical Geology Laboratory 1
- MCB 1000 Fundamentals of Microbiology 3
- MCB 1000L Fundamentals of Microbiology Laboratory 1
- PHY 1020 Introduction to Concepts in Physics 3
- PHY 1020L Introduction to Concepts in Physics Laboratory 1
- PHY 2048 University Physics I 3
- PHY 2048L University Physics I Lab 1
- PHY 2049 University Physics II 3
- PHY 2049L University Physics II LAB 1
- PHY 2053 General Physics I 3
- PHY 2053L General Physics I Laboratory 1
- PHY 2054 General Physics II 3
- PHY 2054L General Physics II Laboratory 1
- PHZ 1450 Exotic Physics 3
- ZOO 1010+L General Zoology (+Lab) 4

**General Studies**
- STA 2023 Elements of Statistics 3
- MAC 2233 Calculus with Business Applications 3
- Social Science: Socio-political
  - ECO 2013 Principles of Economics Macro 3

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

- ACG 2021 Principles of Financial Accounting 3
- ACG 2071 Principles of Managerial Accounting 3
- CGS 2570 Personal Computer Applications 3
- COP 2253 Programming Using Java 3
- COP 2334 Programming Using C++ 3
- ECO 2013 Principles of Economics Macro 3
- ECO 2023 Principles of Economics Micro 3
- MAC 2233 Calculus with Business Applications 3
- STA 2023 Elements of Statistics 3

Total Hours: 27

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-6

**Major**

- CEN 3031 Software Engineering I 3
- CEN 3032 Software Engineering II 3
- CEN 4400 Introduction to Operations Research 3
- CEN 4721 Human-Computer Interaction 3
- CIS 3512 Software Documentation 3
- CIS 4595C Capstone Systems Project 3
- CNT 4007C Theory and Fundamentals of Networks 3
- COP 3022C Intermediate Computer Programming 4
- COP 3813 Internet Programming 3
- COP 4027C Advanced Computer Programming 4
- COP 4610C Theory and Fundamentals of Operating Systems 3
- COP 4710 Database Systems 3
- COP 4814 Network-Centric Software Applications 3
- COT 3100C Discrete Structures 4

Choose one of the following:
- CAP 4770 Computer Organization 3
- COP 4723 Database Administration 3

Total Hours: 48

**Major-Related**

Four 3000/4000 level advisor approved electives 12

**Computer Science Specialization**

The Computer Science (CS) specialization emphasizes analytical thinking and problem solving using scientific applications. The degree includes the theoretical foundations of computer science in the study of
of algorithms, data structures, computer architecture, programming languages, and net-centric computing.

**General Studies**

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

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<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>Critical Thinking</td>
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<td>Philosophy</td>
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Total Semester Hours: **36-37**

The following courses are recommended to complete general studies requirements:

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**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

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</thead>
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<td>COP XXXX</td>
<td>- Introductory programming in Ada, C, C++, Pascal, or equivalent language</td>
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<td>4</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<tr>
<td>PHY 2048+L</td>
<td>University Physics I (+Lab)</td>
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<tr>
<td>PHY 2049+L</td>
<td>University Physics II (+Lab)</td>
<td>4</td>
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</table>

Two science courses for science majors: 6

Total Hours: **25**

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

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<td>Software Documentation</td>
<td>3</td>
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<td>CIS 4592</td>
<td>Capstone Research Experience</td>
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<td>COP 3014C</td>
<td>Algorithm and Program Design</td>
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<td>COP 3530C</td>
<td>Data Structures and Algorithms I</td>
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<td>COP 4020C</td>
<td>Programming Languages</td>
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List of pre-approved concentration courses available in the department: **12**

Total Hours: **54**

**Major-Related**

<table>
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<td>MHF 3202</td>
<td>Set Theory and Mathematical Logic</td>
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Total Hours: **6**

Four courses must be selected from any Computer Science concentration. Students should consult with the CS academic advisor, or their assigned CS faculty advisor, for the courses that satisfy the concentration areas.
Software Engineering Specialization

The Software Engineering (SE) specialization incorporates theoretical foundations of computer science with the study of principles and practices regarding the development of high-quality software systems that meet client needs. This track places emphasis on the development of complex, large-scale software systems, software process, and project management.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements" section of this catalog.

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<td>ENC 1102</td>
<td>English Composition II</td>
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<table>
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<td>Calculus with Business Applications</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<td>STA 2023</td>
<td>Elements of Statistics</td>
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</tbody>
</table>

| Social Sciences | 9 |

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2022 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2102 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities | 8-9 |

Choose one course from each of the following clusters of courses

Literature:
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences | 7 |
The following courses are recommended to complete general studies:

- **MAC 2312**  
- **MAC 2311**  
- **Mathematics**
- **PHI 2603**  
- **Humanities/Contemporary Values**

Total Semester Hours: **36-37**

The following courses are recommended to complete general studies requirements:

**Humanities/Contemporary Values**
- **PHI 2603**  
- **Ethics in Contemporary Society**

**Mathematics**
- **MAC 2311**  
- **Analytic Geometry and Calculus I**
- **MAC 2312**  
- **Analytic Geometry and Calculus II**

**Natural Science**
- **PHY 2048-L**  
- **University Physics I (+Lab)**
- **PHY 2049-L**  
- **University Physics II (+Lab)**

**Social Science: Socio-political**
- **ECO 2013**  
- **Principles of Economics Macro**

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

- **COP XXXX**  
  - Introductory programming in Ada, C, C++, Pascal, or equivalent language
- **MAC 2311**  
  - Analytic Geometry and Calculus I *
- **MAC 2312**  
  - Analytic Geometry and Calculus II *
- **PHY 2048-L**  
  - University Physics I (+Lab) *
- **PHY 2049-L**  
  - University Physics II (+Lab) *

Total Hours: **25**

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives (0-12 sh)**

Students must complete sufficient 1000-2000 level electives to complete at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: **60-12**

If not taken as a general studies course, the following courses are recommended as lower division electives:

- **AGC 2021**  
  - Principles of Financial Accounting
- **CGS 2060**  
  - Excursions in Computing
- **ECO 2023**  
  - Principles of Economics Micro
- **SPC 2608**  
  - Basic Communication Skills

**Major**

- **CDA 3101C**  
  - Introduction to Computer Organization
- **CEN 3031**  
  - Software Engineering I
- **CEN 3032**  
  - Software Engineering II
- **CEN 4053**  
  - Software Engineering Management
- **CEN 4721**  
  - Human-Computer Interaction
- **CIS 3512**  
  - Software Documentation
- **CIS 4595C**  
  - Capstone Systems Project
- **CIS 4385**  
  - Cyber-Security Forensics
- **CNT 4007C**  
  - Theory and Fundamentals of Networks
- **COP 3014C**  
  - Algorithm and Program Design
- **COP 3022C**  
  - Intermediate Computer Programming
- **COP 3530C**  
  - Data Structures and Algorithms I
- **COP 4027C**  
  - Advanced Computer Programming
- **COP 4610C**  
  - Theory and Fundamentals of Operating Systems
- **COP 4710**  
  - Database Systems

Total Hours: **50**

**Major-Related**

- **MAN 3240**  
  - Behavior in Organizations
- **COM 4110**  
  - Business and Professional Communication

Total Hours: **6**
Upper Division Electives

The remainder of the program will be comprised of electives that students can select without limitation. However, students will be advised to select additional 3000/4000 level courses to total at least 48sh at the 3000/4000 level if necessary. If additional 3000/4000 level courses are not required, students may take 1000/2000 level courses at UWF.

Total Hours 4

Minors

The Department of Computer Science offers three minors: Computer Science, Computer Information Systems, and Information Technology. Students must complete all course work for the minor with a grade of "C-" or higher. See below for specific minor requirements for each.

Computer Science

The Computer Science Minor provides students with knowledge of basic software aspects of computer systems. Fundamentals of programming experience utilizing procedural and object-oriented paradigms prepare students in this minor for software development on a variety of computing platforms. CS, CIS, and SE majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3014C</td>
<td>Algorithm and Program Design</td>
<td>4</td>
</tr>
<tr>
<td>COP 3530C</td>
<td>Data Structures and Algorithms I</td>
<td>4</td>
</tr>
<tr>
<td>Advisor approved Computer Science elective</td>
<td>3-4</td>
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</tr>
<tr>
<td>Choose one of the following:</td>
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<td></td>
</tr>
<tr>
<td>COP 4634C</td>
<td>Systems &amp; Networks I</td>
<td>3-4</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Object Oriented Programming</td>
<td></td>
</tr>
<tr>
<td>COP 4534C</td>
<td>Data Structures and Algorithms II</td>
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</tr>
<tr>
<td>COT 4420</td>
<td>Theory of Computation</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 14-16

Computer Information Systems

The Computer Information Systems Minor provides students with basic knowledge of the software aspects of computer systems. Students will utilize various software packages and gain programming, database, and web experience that facilitate managing information in net-centric business environments. CS, CIS, and SE majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEN 4721</td>
<td>Human-Computer Interaction</td>
<td>3</td>
</tr>
<tr>
<td>COP 2253</td>
<td>Programming Using Java</td>
<td>3</td>
</tr>
<tr>
<td>COP 3022C</td>
<td>Intermediate Computer Programming</td>
<td>4</td>
</tr>
<tr>
<td>COP 4814</td>
<td>Network-Centric Software Applications</td>
<td>3</td>
</tr>
<tr>
<td>COP 4710</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following:</td>
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<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 19-20

Information Technology

The Information Technology Minor will enable students from all majors to acquire basic knowledge and skills in IT and computer applications. Students will learn the nature and source of electronically stored data, will have the opportunity to learn and apply a variety of software programs, and will enhance computer skills appropriate to their fields of study. IT, CS, CIS, and SE majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one of the following:</td>
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</tr>
<tr>
<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
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</tr>
<tr>
<td>COP 2253</td>
<td>Programming Using Java</td>
<td>3</td>
</tr>
<tr>
<td>COP 2334</td>
<td>Programming Using C++</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 18

Certificates

Database Systems Certificate

Department: Computer Science

Method of Instruction: Online

Semester Hours: 12

This certificate program is designed to provide both theory and practical knowledge in database design, development and implementation, advanced database concepts, database administration, as well as data mining. In-depth practice in the use of Structure Query Language (SQL) will also be provided. It will prepare one to be a database professional, or work in any other information system career in which knowledge of capturing, storing, retrieving, organizing, and analyzing information is important. The departmental certificate application, available on the Computer Science website, should be submitted before the drop/add period of the semester of completion. All courses must have been completed within 5 years of receipt of application with a grade of "C-" or higher.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2334</td>
<td>Programming Using C++</td>
<td></td>
</tr>
<tr>
<td>COP 4710</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CTS 4817</td>
<td>Web Server Administration</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 12

Information Technology Certificate

Department: Computer Science

Method of Instruction: Classroom

Semester Hours: 12

This certificate program is designed to meet the needs of our students and community members by offering the necessary skills to utilize computers in the emerging field of Information technology. This program will offer the workforce an opportunity to acquire the necessary skills to stay competitive in the workplace. The departmental certificate application, available on the Computer Science website, should be submitted before the drop/add period of the semester of completion. All courses must have been completed within 5 years of receipt of application with a grade of "C-" or higher. IT, CS, CIS, and SE majors may not earn this certificate.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2334</td>
<td>Programming Using C++</td>
<td></td>
</tr>
<tr>
<td>CAP 4770</td>
<td>Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>COP 4723</td>
<td>Database Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 12
Java Net-Centric Programming Certificate

Department: Computer Science

Method of Instruction: Classroom

Semester Hours: 14

This certificate program focuses on object-oriented programming in Java and the development of Java Enterprise solutions. Students gain foundational knowledge of object-oriented design and programming concepts, design and deployment of n-tier Web applications, and learn about service-oriented and distributed architectures of software systems. With a growing interest by the industry to develop and deploy multilayer enterprise applications, this Certificate provides the needed background for professionals with programming experience to advance their technical skills and be competitive in today’s IT industry. The departmental certificate application, available on the Computer Science website, should be submitted before the drop/add period of the semester of completion. All courses must have been completed within 5 years of receipt of application with a grade of "C-" or higher.

COP 3022C Intermediate Computer Programming 4
COP 4027C Advanced Computer Programming 4
COP 4856 Distributed Software Architecture I 3
COP 4857 Distributed Software Architecture II 3

Total Hours 14

Web Development Technologies Certificate

Department: Computer Science

Method of Instruction: Online

Semester Hours: 12

This certificate program is designed to prepare students, as well as professionals, for promising new careers as webmasters, application developers, designers, and managers of Internet and web technologies. Students will learn basic programming and database skills, how to program the web using PERL/CGI, ASP.NET and ColdFusion, fundamentals and infrastructures of e-commerce applications, how to create and implement applications, how to create dynamic web pages, and about web-database connectivity and SQL basics. The departmental certificate application, available on the Computer Science website, should be submitted before the drop/add period of the semester of completion. All courses must have been completed within 5 years of receipt of application with a grade of "C-" or higher.
# Undergraduate Degrees and Areas of Specialization

## Criminal Justice

The Criminal Justice program focuses on the issues of law, crime, law enforcement, corrections, and the criminal justice system. The program’s primary purpose is to prepare students to assume entry level positions in various criminal justice occupations and to eventually assume administrative responsibilities or do research in the field. Students majoring in Criminal Justice are not permitted to dual major in Legal Studies or minor in Legal Studies.

An accelerated bachelors to masters program is available for exceptionally well qualified students. Please see the requirements for this program at the end of the courses requirements section.

## Program Requirements

In addition to the university’s general requirements, students seeking the B.A. in Criminal Justice must meet the requirements listed below. A minimum grade of “C” is required for all core courses. A minimum GPA of 2.25 is required for admission into the major. CCJ 3024 American Justice System should be taken as the first course in the major.

## General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

**General Studies Curriculum:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101 English Composition I</td>
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<td>ENC 1102 English Composition II</td>
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<td>Mathematics</td>
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<td>MAC 2311 Analytic Geometry and Calculus I</td>
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<td>Social Sciences</td>
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## Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

## Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

## Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

## Humanities

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Literature</td>
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<tr>
<td></td>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<td>LIT 2030 Introduction to Poetry</td>
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<td>LIT 2040 Introduction to Drama</td>
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<td>LIT 1122 Great Books I</td>
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<td></td>
<td>LIT 2100 Introduction to Literature</td>
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<td>Fine Arts</td>
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<td>ARH 1010 Introduction to Art History</td>
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<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<td>ART 2821 Art and Visual Culture Today</td>
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<td>MUH 2930 The Music Experience: Special Topics</td>
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<td>MUL 2110 Music in Western Civilization</td>
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<td>THE 2000 The Theatre Experience</td>
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<td>THE 2390 Survey of Dramatic Literature</td>
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<td>Contemporary Values and Expressions</td>
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<td>PHI 2010 Introduction to Philosophy</td>
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<td>PHI 2103 Critical Thinking</td>
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<td>PHI 2603 Ethics in Contemporary Society</td>
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<td>REL 1300 Introduction to World Religions</td>
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<td>SPC 2608 Basic Communication Skills</td>
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## Natural Sciences

Choose one course from each of the following clusters of courses

<table>
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<tr>
<th>Category</th>
<th>Courses</th>
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<tbody>
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<td></td>
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</table>
Take two of the following courses, including at least one with lab:

<table>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
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<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
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<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
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<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
<td>1</td>
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<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
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</tr>
<tr>
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<td>Introduction to Oceanography and Marine Biology</td>
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<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<td>CHM 1020</td>
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<td>Fundamentals of General Chemistry Laboratory</td>
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<td>CHM 2045L</td>
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<td>CHM 2046</td>
<td>General Chemistry II</td>
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<td>GEO 1200+L</td>
<td>Physical Geography</td>
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<td>GEO 2330</td>
<td>Environmental Science</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
<td>1</td>
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<tr>
<td>PHY 2048</td>
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<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<td>University Physics II</td>
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<td>PHY 2053</td>
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</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 24

---

**Criminal Justice Major**

**Justice Studies Core:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>American Justice System</td>
</tr>
<tr>
<td>CCJ 3060</td>
<td>Ethics and the Justice System</td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Judicial Process</td>
</tr>
<tr>
<td>PL 3020</td>
<td>Law and Society</td>
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</table>

Total Hours 9

**Criminal Justice Core:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3014</td>
<td>Criminology</td>
</tr>
<tr>
<td>CCJ 4700</td>
<td>Research Design in Criminal Justice</td>
</tr>
<tr>
<td>CJC 4010</td>
<td>Punishment and Society</td>
</tr>
<tr>
<td>or CJE 4110</td>
<td>Police in a Free Society</td>
</tr>
</tbody>
</table>

Major Electives 21

Total Hours 42

* 21 semester hours of justice studies 3000/4000 level elective course work beyond the Core Requirements are required.

Students can satisfy up to 6 hours of this requirement with service learning, internship, and/or directed study courses (combination of these shall not exceed 6 hours).

**Major-Related**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
</tbody>
</table>

Major-Related Electives 9

Total Hours 12

** Students are required to complete 9 semester hours of supporting course work, to include a minimum of 6 semester hours of 3000/4000 level courses, to be selected with and approved by the student’s advisor. These courses may vary from student to student depending on individual needs and objectives.

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 6

**Accelerated Bachelors(B.S.)/Masters (M.S.) in Criminal Justice Option**

Minimum Requirements for admission include:

- Overall undergraduate GPA of 3.25 or better
- Completion of 75 undergraduate credit hours
- Undergraduate Major GPA of 3.5 or better
- Completion of all Bachelor of Arts Criminal Justice major core requirements
- A grade of B (3.0) or higher in all BACJ major core courses
- One letter of recommendation from a Criminal Justice or Legal Studies faculty member

**Process:**

A prospective student who meets the minimum requirements for admission for the Accelerated BA/MSCJ program must schedule a meeting with his/her undergraduate advisor and graduate advisor to discuss and develop a degree plan for his/her Accelerated BA/MSCJ program. The student must then submit an Accelerated BA/MSCJ program application and letter of recommendation to the graduate advisor.

**Eligibility and Restrictions:**

Students must have completed 75 undergraduate credit hours, including credits earned from advanced placement, prior to applying.
to the Accelerated BA/MSCJ program. Transfer students must have completed a minimum of two semesters and at least 24 credit hours at the University of West Florida prior to application to the Accelerated BA/MSCJ program. For admission into the Accelerated BA/MSCJ program in the summer semester, application materials must be submitted by March 15. For admission into the Accelerated BA/MSCJ program in the fall semester, application materials must be submitted by June 15. For admission into the Accelerated BA/MSCJ program in the spring semester, application materials must be submitted by October 15.

Admission into the Accelerated BA/MSCJ program does not guarantee admission into the MSCJ program upon completion of the BACJ. Students must still take the GRE or Miller Analogies Test (MAT) and submit an Express Admission application for the MSCJ program. Students who are a part of the BA/MSCJ program cannot be provisionally or conditionally admitted into the MSCJ program.

**Program Requirements:**
Upon admission into the MSCJ, the 12 graduate credit hours completed as an undergraduate student will count for 12 of the 24 hours in Criminal Justice coursework for the MSCJ. Students in the Accelerated BA/MSCJ program must earn a grade of B (3.0/4.0) or better in each of the graduate level courses that are being applied to both degrees. Courses completed with a grade of B- or below cannot be applied to the MSCJ degree. Students accepted into the MSCJ program must complete all MSCJ requirements within 18 months of completing the BACJ degree. If the MSCJ program requirements are not completed within 18 months, the student is no longer eligible to apply the graduate credit hours toward both degrees (i.e., the student can only apply the credit hours towards completion of the BACJ degree or toward a future master’s degree) and is automatically terminated from the Accelerated BA/MSCJ program.

If a student in the Accelerated BA/MSCJ program completes the BACJ degree requirements with an overall GPA of less than 3.25/4.0, he/she is no longer eligible to apply the graduate credit hours to both degrees (i.e., the student can only apply the credit hours towards completion of the BACJ degree or toward a future master’s degree) and is automatically terminated from the Accelerated BA/MSCJ program.

A student who becomes ineligible to continue participating in or withdraws from the Accelerated BA/MSCJ program cannot apply any graduate credit hours toward both degrees (i.e., the student can only apply the credit hours towards completion of the BA degree or toward a future master’s degree).

Students who are enrolled in the Accelerated BA/MSCJ program are eligible for graduate assistantship positions only after completing the BACJ degree.

**Minors**
CCJ 3024 American Justice System should be taken as the first course in any Criminal Justice minor. Courses must be completed at UWF with a grade of “C” or higher. Requirements may not be met with directed studies courses.
Economics

The B.A. in Economics is typically of interest to students with strong academic credentials and a desire to make a difference by helping to shape policy in a wide range of areas in society. Economics majors will develop conceptual and analytical skills for making policy-oriented decisions based on analysis of fundamental resource allocation issues. Economists work in a broad range of policy areas and address questions such as the following: What is the best way to fight environmental pollution? What is the appropriate role of government in economy? What rules should govern trade among nations? What is the appropriate economic policy for developing and increasing immigration? What are the effects of tax cuts, budget deficits, and welfare policies on the overall economy? Economists may address fundamental policy issues such as these and others within narrower fields such as health care, agriculture, education, crime, politics, urban and regional development, law, history, energy, and the environment, among many others. The B.A. in Economics is structured to provide the opportunity for students to earn minor degrees in many of these specialized fields.

Most economists are concerned with practical applications of economic policy and work for a wide variety of public, private, and governmental organizations. The job market for individuals with both undergraduate and graduate degrees in economics is robust and tends to be less cyclical than the market for students with many other degrees. The B.A. in Economics provides a comprehensive foundation for students who wish to obtain a graduate degree in economics and is also recognized as excellent preparation for graduate programs such as Law or the MBA.

Students are urged to consult with faculty members associated with the Economics program and its recommended minors for detailed information about the program’s academic learning outcomes and to develop an appropriate course of study for their intended career path.

Program Requirements

In addition to the university’s general requirements, students seeking the B.A. in Economics must meet the requirements listed below.

A grade of “C” or higher is required for all courses in the Economics core and Economics electives.

No more than 24 percent of the B.A. in Economics may be in traditional business subjects, excluding economics courses. Students who wish to include extensive business coursework in their program should declare the B.S.B.A. Economics (Business) degree program (See Economics, Business (p. 128) section).

Students should consult their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements.

With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<td>ENC 1102</td>
<td>English Composition II</td>
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<table>
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<th>Mathematics</th>
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<td>MAC 1105</td>
<td>College Algebra</td>
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<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<td>Elements of Statistics</td>
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<table>
<thead>
<tr>
<th>Social Sciences</th>
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<tr>
<td>Choose one course from each of the following clusters of courses</td>
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<td>Social Sciences: Historical Perspectives:</td>
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<td>AMH 2010</td>
<td>United States to 1877</td>
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<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
<tr>
<td>Social Sciences: Behavioral Perspectives:</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>Social Sciences: Socio-Political Perspectives:</td>
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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
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<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

| Humanities          | 8-9 |

University of West Florida
Choose one course from each of the following clusters of courses

**Literature:** 3

- AML 2072  Sex, Money, and Power in American Literature
- IDH 1040  Honors Core I
- LIT 2030  Introduction to Poetry
- LIT 2040  Introduction to Drama
- LIT 1122  Great Books I
- LIT 2100  Introduction to Literature

**Fine Arts:** 3

- ARH 1010  Introduction to Art History
- ARH 2050  Western Survey I: Greek to Renaissance
- ARH 2051  Western Survey II: Baroque to Contemporary
- ART 1015C  Exploring Artistic Vision
- ART 2821  Art and Visual Culture Today
- MUH 2930  The Music Experience: Special Topics
- MUL 2110  Music in Western Civilization
- THE 2000  The Theatre Experience
- THE 2300  Survey of Dramatic Literature

**Contemporary Values and Expressions:** 3

- PHI 2010  Introduction to Philosophy
- PHI 2100  Introduction to Logic
- PHI 2103  Critical Thinking
- PHI 2603  Ethics in Contemporary Society
- REL 1300  Introduction to World Religions
- SPC 2608  Basic Communication Skills

**Natural Sciences**

Take two of the following courses, including at least one with lab:

- ANT 2511  Biological Anthropology
- ANT 2511L  Biological Anthropology Lab
- AST 3033  Modern Astronomy
- BOT 2010-L  General Botany (+Lab)
- BSC 1005  General Biology for Non-Majors *
- BSC 1005L  General Biology Laboratory for Non-Majors
- BSC 1050  Fundamentals of Ecology
- BSC 1085  Anatomy and Physiology I *
- BSC 1085L  Anatomy and Physiology I Laboratory
- BSC 1086  Anatomy and Physiology II *
- BSC 1086L  Anatomy & Physiology II Laboratory
- BSC 2311  Introduction to Oceanography and Marine Biology *
- BSC 2311L  Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060  Excursions in Computing
- CGS 2060L  Excursions in Computing Lab
- CHM 1020  Concepts in Chemistry *
- CHM 1020L  Concepts in Chemistry Lab
- CHM 1032  Fundamentals of General Chemistry *
- CHM 1032L  Fundamentals of General Chemistry Laboratory
- CHM 2045  General Chemistry I *
- CHM 2045L  General Chemistry I Laboratory
- CHM 2046  General Chemistry II *
- CHM 2046L  General Chemistry II Laboratory
- GEO 1200-L  Physical Geography (+Lab)
- GEO 2330  Environmental Science
- GLY 2010  Physical Geology *
- GLY 2010L  Physical Geology Laboratory
- MCB 1000  Fundamentals of Microbiology *
- MCB 1000L  Fundamentals of Microbiology Laboratory
- PHY 1020  Introduction to Concepts in Physics *
- PHY 1020L  Introduction to Concepts in Physics Laboratory
- PHY 2048  University Physics I **
- PHY 2048L  University Physics I Lab
- PHY 2049  University Physics II **
- PHY 2049L  University Physics II LAB
- PHY 2053  General Physics I **
- PHY 2053L  General Physics I Laboratory
- PHY 2054  General Physics II *
- PHY 2054L  General Physics II Laboratory
- PHZ 1450  Exotic Physics
- ZOO 1010-L  General Zoology (+Lab)

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

Economics majors should take the following core component courses:

**Mathematics**

- STA 2023  Elements of Statistics
- MAC 2233  Calculus with Business Applications
- or MAC 2311  Analytic Geometry and Calculus I

**Humanities/Contemporary Values and Expressions**

- PHI 2010  Introduction to Philosophy
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Project/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 6

* Indicates common prerequisites which can be used to satisfy General Studies requirement.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement. Economics majors should include electives that will help to prepare them for potential minor programs of study. Students should consult their academic advisor for guidance in course selection.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
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</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
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Total Hours: 18

Major

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

- ECO 4431 Business and Economic Forecasting (3)
- ECO 4704 International Trade and Commercial Policy (3)

Six 3000/4000 level ECO or ECP electives (18)

Total Hours: 27

* or ECO 4704 International Trade and Commercial Policy may be used to partially fulfill this requirement if not used to fulfill the Core Requirement. ECO 3003 Principles of Economic Theory and Public Policy may not be used to partially fulfill this requirement.

Upper Division Electives

Students are strongly encouraged to declare minor(s) in one or more of the following fields after consultation with their academic and career advisors: Biology, English, Environmental Studies, Geography, History, International Studies, Mathematics, Philosophy, Political Science, Political Science Pre-Law, and Psychology. Students who plan to pursue a graduate degree in economics should minor in mathematics or take a large number of quantitative/ statistics courses.

Total Hours: 33

Minors

Economic Policy

The Minor in Economic Policy is designed for and only available to non-business majors. It gives students in a wide variety of majors the opportunity to add value to their major degree. It is especially appropriate for students who plan to enter law school or work in political or public policy-oriented career fields. The Economic Policy

Minor requires completion of 15 sh with a grade of “C” or higher. Nine hours of 3000/4000 level economics courses must be taken at UWF.

Four 3000/4000 level economics (ECO or ECP) electives (12)

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 15

Quantitative Economics

The Minor in Quantitative Economics is available for all students and is designed for those who wish to learn about math-oriented applications of economic theory. It provides students in a wide variety of majors the opportunity to add value to the major degree. It is especially appropriate for students with strong mathematics interests who plan to build a career as an analyst in financial organizations.

The Quantitative Economics Minor requires completion of 18 sh with a grade of “C” or greater in each course. Nine hours of 3000/4000-level economic courses must be taken at UWF.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4401</td>
<td>Introduction to Mathematical Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4431</td>
<td>Business and Economic Forecasting</td>
<td>3</td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 18
Economics, Business

The B.S.B.A. in Business Economics is for students interested in economics as it applies to business and government organizations. The program provides students with a comprehensive view of the area of economics in business, allowing them to apply a set of analytical tools to understand the interrelations between the economy and the business environment under different market conditions.

Economics majors develop technical and analytical skills needed for policy oriented decisions in local and global markets, often based on analysis of fundamental resource allocations issues. Economists work in a broad range of areas that include in-depth inquiries, including the following: business strategy (Should we expand into a new market?); societal policies (What is the best way to fight environmental pollution?); and global issues (What rules should govern trade among nations?). Further inquiries are conducted into how trade is affected by the elimination of tariffs and quotas. Students in the B.S.B.A. in Economics participate in small projects, such as data analysis and forecasting, intended to provide them with hands-on experience in managerial decision making. Specific topics include healthcare, crime, finance, production, international trade, labor, taxation, politics, the environment, pricing strategies, regulation and deregulation, data analysis and forecasting, and many others.

Many Economics graduates choose to attend graduate school, thereby enhancing their career opportunities. A major in Economics provides outstanding preparation for the M.B.A. degree, and an Economics degree is regarded as an excellent background to study Law or to pursue a Master’s in Economics.

Economics students may choose from the following specializations: Comprehensive Economics and Global Economics.

Program Requirements

In addition to general University requirements, students seeking the B.S.B.A. in Economics must meet the requirements listed below. A minimum course grade of "C" is required in all College of Business prerequisites, major, and major-related courses.

Students should consult their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
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<td>ENC 1102</td>
<td>English Composition II</td>
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<tr>
<td>MAC 1105</td>
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<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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Social Sciences

Choose one course from each of the following clusters of courses

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<td>AMH 2020</td>
<td>United States since 1877</td>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>EUH 1001</td>
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Social Sciences: Historical Perspectives:

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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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</tbody>
</table>

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
</tbody>
</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
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</tr>
</tbody>
</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<tr>
<td>GEA 2000</td>
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</tr>
<tr>
<td>GEB 1011</td>
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</tr>
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</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<td>SYG 2010</td>
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</tr>
</tbody>
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Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>
Choose one course from each of the following clusters of courses

**Literature:** 3
- AML 2072: Sex, Money, and Power in American Literature
- IDH 1040: Honors Core 1
- LIT 2030: Introduction to Poetry
- LIT 2040: Introduction to Drama
- LIT 1122: Great Books I
- LIT 2100: Introduction to Literature

**Fine Arts:** 3
- ARH 1010: Introduction to Art History
- ARH 2050: Western Survey I: Greek to Renaissance
- ARH 2051: Western Survey II: Baroque to Contemporary
- ART 1015C: Exploring Artistic Vision
- ART 2821: Art and Visual Culture Today
- MUL 2110: Music in Western Civilization
- THE 2000: The Theatre Experience
- THE 2300: Survey of Dramatic Literature

**Contemporary Values and Expressions:** 3
- PHI 2010: Introduction to Philosophy
- PHI 2100: Introduction to Logic
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: Introduction to World Religions
- SPC 2608: Basic Communication Skills

**Natural Sciences** 7
- ANT 2511: Biological Anthropology
- ANT 2511L: Biological Anthropology Lab
- AST 3033: Modern Astronomy
- BOT 2012L: General Botany (+Lab)
- BSC 1005: General Biology for Non-Majors *
- BSC 1050: Fundamentals of Ecology
- BSC 1085: Anatomy and Physiology I *
- BSC 1085L: Anatomy and Physiology I Laboratory
- BSC 1086: Anatomy and Physiology II *
- BSC 1086L: Anatomy & Physiology II Laboratory
- BSC 2311: Introduction to Oceanography and Marine Biology *
- BSC 2311L: Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060: Excursions in Computing
- CGS 2060L: Excursions in Computing Lab
- CHM 1020: Concepts in Chemistry *
- CHM 1020L: Concepts in Chemistry Lab
- CHM 1032: Fundamentals of General Chemistry *
- CHM 1032L: Fundamentals of General Chemistry Laboratory
- CHM 2045: General Chemistry I *
- CHM 2045L: General Chemistry I Laboratory
- CHM 2046: General Chemistry II *
- CHM 2046L: General Chemistry II Laboratory *
- GEO 1200L: Physical Geography (+Lab)
- GEO 2330: Environmental Science
- GLY 1010: Physical Geology *
- GLY 2010L: Physical Geology Laboratory
- MCB 1000: Fundamentals of Microbiology *
- MCB 1000L: Fundamentals of Microbiology Laboratory
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I **
- PHY 2048L: University Physics I Lab
- PHY 2049: University Physics II **
- PHY 2049L: University Physics II LAB
- PHY 2053: General Physics I **
- PHY 2053L: General Physics I Laboratory
- PHY 2054: General Physics II *
- PHY 2054L: General Physics II Laboratory
- PHZ 1450: Exotic Physics
- ZOO 1010L: General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

Economics majors should take the following core courses:

<table>
<thead>
<tr>
<th>Humanities/Values and Expressions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 2608: Basic Communication Skills</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>STA 2023: Elements of Statistics</td>
<td></td>
</tr>
</tbody>
</table>
## Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2570</td>
<td>Personal Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

## Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 1301</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 1303</td>
<td>Principles of Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1303</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>3-12</strong></td>
</tr>
</tbody>
</table>

## Comprehensive Economics Specialization

This specialization prepares students for a broad range of career positions in economics. Students have a great deal of flexibility in structuring their program, subject to advisor approval.

### Major

#### College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3110</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3453</td>
<td>Business Ethics and Stakeholder Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4361</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3504</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

### Global Economics Specialization

This specialization focuses on economic issues in an increasingly globalized market. Students are required to spend at least one semester at one of UWF’s partner universities abroad studying economics. This cultural, as well as educational, experience prepares students for positions in international economics and business. Students must complete a specific sequence of courses in this specialization, designed in conjunction with their advisor, at a partner university abroad. To participate in this required part of the specialization, students must have a minimum 2.50 cumulative GPA. It is recommended, but not required, that during their lower division studies, students complete two additional courses in a foreign language beyond the university’s foreign language admission requirement.

#### Major

#### College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3453</td>
<td>Business Ethics and Stakeholder Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4361</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3504</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

### Global Economics Specialization

This specialization focuses on economic issues in an increasingly globalized market. Students are required to spend at least one semester at one of UWF’s partner universities abroad studying economics. This cultural, as well as educational, experience prepares students for positions in international economics and business. Students must complete a specific sequence of courses in this specialization, designed in conjunction with their advisor, at a partner university abroad. To participate in this required part of the specialization, students must have a minimum 2.50 cumulative GPA. It is recommended, but not required, that during their lower division studies, students complete two additional courses in a foreign language beyond the university’s foreign language admission requirement.
Three advisor-approved Economic courses taken at a UWF partner university abroad 9

Total Hours 21

Major-Related

3000/4000 level Economics (ECO or ECP) electives 9

Minors

Business Economics

The Business Economics Minor, although accessible to any student, is designed for students with a business major other than Economics. The Business Economics Minor requires completion of 18 sh with a grade in each course of “C” or higher. Nine hours of 3000/4000 level economics courses must be taken at UWF.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Four 3000/4000 level economics (ECO or ECP) electives</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Hours 18
Electrical Engineering

The Electrical Engineering Program at UWF is accredited by the Engineering Accreditation Commission of ABET, Inc. The B.S.E.E is provided by the Department of Electrical and Computer Engineering (ECE), whose mission statement is to offer baccalaureate degree programs in electrical and computer engineering which serve the needs of the West Florida region, the State, and the nation.

The goal of the baccalaureate degree program is to prepare students to embark upon a professional career in electrical engineering or to begin a graduate study. Graduates will be known for their accomplishments in the early stage of their careers and they should:

- Develop electrical engineering solutions individually and through interdisciplinary teams within a global and societal context.
- Professionally and ethically engage in technical or business activity through engineering ability, communication skills, and knowledge.
- Continue professional growth through post-graduate education, continuing education, or professional activity.
- Contribute to the Northwest Florida regional economic development.

Electrical Engineering is science-oriented and primarily concerned with all phases and development of the transmission and utilization of electric energy and intelligence. Because of the extremely rapid growth and changes relating to the application of electrical engineering principles, the curriculum is designed to concentrate on a solid core of foundation courses. Twelve hours of electives are included to permit a student to delve deeply into selected subject matter.

Electrical Engineers find career opportunities in a wide area of settings such as aerospace contractors, manufacturers of consumer electronics, telecommunications, energy distribution, and public-sector positions with federal, state, and local governments.

Program Requirements

Students are required to have a laptop or tablet PC. Students should check with the department for minimum hardware configurations (http://uwf.edu/ece/undergraduate/Laptop%20or%20Tablet%20PC.doc). Please visit our website (http://uwf.edu/ece) for more information about our program, including a list of department scholarships (http://uwf.edu/ece/scholarships) and answers to some frequently asked questions (http://uwf.edu/ece/faq).

In addition to the university’s general requirements, students seeking the B.S.E.E. must meet the requirements listed below.

A minimum course grade of “C” or better is required in all courses that serve as prerequisites to all EGN, EEL, or EEE prefixed courses and labs and all of the following electrical engineering core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEM 3308</td>
<td>Electronic Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>EEM 3396</td>
<td>Solid-State Electronic Devices</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3111</td>
<td>Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3112</td>
<td>Circuits II</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3472</td>
<td>Electromagnetic Fields and Applications I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3701</td>
<td>Digital Logic and Computer Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Due to their status as prerequisites to EGN, EEL, or EEE courses and labs, the following engineering courses also require a minimum grade of a “C”:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEM 408L</td>
<td>Electronics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>EEL 317L</td>
<td>Electrical Circuits Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>EEL 3701L</td>
<td>Digital Logic and Computer Systems Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

Finally, a minimum grade of “C” is also required in:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4410</td>
<td>Capstone Design I</td>
<td>1</td>
</tr>
<tr>
<td>EGN 441YL</td>
<td>Capstone Design II</td>
<td>2</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Introduction to Mathematical Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Other engineering courses may require a "C" grade if they are prerequisites to the EEL/EEE electives that you choose to take.

The electrical engineering curriculum is designed to yield a set of outcomes. Each upper division course in the program contributes to at least one of these outcomes. A current list of our program outcomes and the courses that map to them can be found here (http://uwf.edu/cutla/curriculum_maps--undergraduates/Electrical_Engineering_UG.pdf).

All students must complete an exit interview with their advisor and submit a copy of their senior design report before graduating.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Category</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
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<td>College Algebra</td>
<td>3</td>
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<tr>
<td></td>
<td>MAC 1114</td>
<td>Trigonometry</td>
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</tr>
<tr>
<td></td>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
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<tr>
<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<tr>
<td></td>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
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<td></td>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
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<tr>
<td></td>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>
Choose one course from each of the following clusters of courses

**Social Sciences: Historical Perspectives:**
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

**Social Sciences: Behavioral Perspectives:**
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

**Social Sciences: Socio-Political Perspectives:**
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

**Humanities**

Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

**Fine Arts:**
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

Take two of the following courses, including at least one with lab:
- ANT 2511 Biological Anthropology
- ANT 2511L Biological Anthropology Lab
- AST 3033 Modern Astronomy
- BOT 2010L General Botany (+Lab)
- BSC 1005 General Biology for Non-Majors
- BSC 1005L General Biology Laboratory for Non-Majors
- BSC 1050 Fundamentals of Ecology
- BSC 1085 Anatomy and Physiology I
- BSC 1085L Anatomy and Physiology I Laboratory
- BSC 1086 Anatomy and Physiology II
- BSC 1086L Anatomy & Physiology II Laboratory
- BSC 2311 Introduction to Oceanography and Marine Biology
- BSC 2311L Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060 Excursions in Computing
- CGS 2060L Excursions in Computing Lab
- CHM 1020 Concepts in Chemistry
- CHM 1020L Concepts in Chemistry Lab
- CHM 1032 Fundamentals of General Chemistry
- CHM 1032L Fundamentals of General Chemistry Laboratory
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Laboratory
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Laboratory
- GEO 1200L Physical Geography (+Lab)
- GEO 2330 Environmental Science
- GLY 2010L Physical Geology Laboratory
- GLY 2010L Physical Geology
- MCB 1000 Fundamentals of Microbiology
- MCB 1000L Fundamentals of Microbiology Laboratory
- PHY 1020 Introduction to Concepts in Physics
- PHY 1020L Introduction to Concepts in Physics Laboratory
- PHY 2048 University Physics I
- PHY 2048L University Physics I Lab
- PHY 2049 University Physics II
- PHY 2049L University Physics II Lab
- PHY 2053 General Physics I
- PHY 2053L General Physics I Laboratory
- PHY 2054 General Physics II
- PHY 2054L General Physics II Laboratory
- PHY 2100 Principles of General Science
- ZOO 1010L General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites. It is recommended that students take a course in literature, fine arts, behavioral science, and the following:

- ECO 2013 Principles of Economics Macro
- EUH 1001 Western Perspectives II
- PHI 2603 Ethics in Contemporary Society

3
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Students who have not completed the math and science prerequisites will be admitted to Pre-Electrical Engineering, then changed to Electrical Engineering once they have successfully completed the courses. A minimum of a "C" grade is required in each of the 7 courses. This GPA must be a minimum 2.3 average for admission to the program. Note that the labs are required for Physics and Chemistry, but a "C" is not required (although a passing grade is required), nor are they used in the calculation of the technical GPA.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048+L</td>
<td>University Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049+L</td>
<td>University Physics II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Note that students may begin taking engineering courses prior to completing all of these math and science prerequisites, but they must complete those math and science courses (with a minimum of a "C" grade) listed as prerequisites to any engineering classes they wish to take.

Major

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 3308+L</td>
<td>Electronic Circuits I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEE 3396</td>
<td>Solid-State Electronic Devices</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4306+L</td>
<td>Electronic Circuits II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3111+L</td>
<td>Circuits I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3112</td>
<td>Circuits II</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3211</td>
<td>Basic Electric Energy Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3472</td>
<td>Electromagnetic Fields and Applications</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3701+L</td>
<td>Digital Logic and Computer Systems (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4514-L</td>
<td>Communication Systems and Components (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4657-L</td>
<td>Linear Control Systems (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4744-L</td>
<td>Microprocessor Applications (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4834</td>
<td>Programming for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>EGM 2500</td>
<td>Engineering Mechanics-Statics</td>
<td>2</td>
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<tr>
<td>EGM 4313</td>
<td>Intermediate Engineering Analysis</td>
<td>3</td>
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<tr>
<td>EGN 3203</td>
<td>Engineering Software Tools</td>
<td>1</td>
</tr>
<tr>
<td>EGN 4032</td>
<td>Professional Ethics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4410</td>
<td>Capstone Design I</td>
<td>1</td>
</tr>
<tr>
<td>EGN 4411L</td>
<td>Capstone Design II</td>
<td>2</td>
</tr>
<tr>
<td>EEL/EEE Electives</td>
<td>12 Total Hours</td>
<td>70</td>
</tr>
</tbody>
</table>

EEL/EEE Elective restrictions: These electives must begin with the EEL or EEE prefix and cannot be otherwise required for the program. A maximum of 3 sh in EEL 4949 Co-Op Work Experience, 3 sh in EEL 4905 Individual Problems in Electrical Engineering, and 2 sh of EEL 4940 Engineering Internship will be accepted as EEL/EEE elective credits. In addition, combined experiential learning credits (EEL 4940 Engineering Internship and EEL 4949 Co-Op Work Experience) are limited to a maximum of 3 credits toward electives. Consult the department for the current list of approved EEL/EEE Elective courses.

2Note that EGN 4410 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design I and EGN 4411L (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design II is the senior design project. This final project is the culmination of the engineering education. As such, this sequence of courses must be taken in the last 2 semesters of a student’s program. Seniors must see the academic advisor in order to register for them. Note that even though they aren’t prerequisites, we highly recommend that our students complete both EEL 4744 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Microprocessor Applications and EEE 3308 (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Electronic Circuits I prior to taking EGN 4411L (https://nextcatalog.uwf.edu/undergraduate/electricalengineering) Capstone Design II.

Major-Related

Consult the department for the current list of approved professional development elective courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 4321</td>
<td>Introduction to Mathematical Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Advisor-approved professional development elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Engineering elective, choose one of the following:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGM 3401</td>
<td>Engineering Mechanics-Dynamics</td>
<td></td>
</tr>
<tr>
<td>EIN 4354</td>
<td>Engineering Economy</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

3Work with your academic advisor to choose an elective that will aid you in your career objectives. Typical courses for this elective include, but are not limited to. CIS 3512 Software Documentation, PHY 4513 Thermodynamics and Kinetic Theory, ENC 3250 Professional Writing, ENC 3240 Technical Writing (note: If you choose ENC 3240, you must get a minimum of a C grade). EGN 1002 Introduction to Engineering, and additional EEL/EEE elective credits beyond that 12 required above. Students who take both EGM 3401 Engineering Mechanics-Dynamics and EIN 4354 Engineering Economy can use one as their general engineering elective and the other as their professional development elective.

Minors

Electrical Engineering

The Minor in Electrical Engineering provides an opportunity for students majoring in other areas to take a limited number of electrical engineering courses to complement their majors. The Minor in Electrical Engineering is open to all UWF students with the exception of computer and electrical engineering majors. Students applying
for the minor must have a declared major. Students may not take a course and its prerequisite during the same semester. Students must complete all seven common prerequisite courses with a grade of “C” or better in each technical course with an overall GPA of 2.3 (4.0 scale) by the term they are admitted. Laboratories are required for chemistry and both physics courses, but the grades are not considered in the technical GPA. Only the last attempt will be considered in computing the technical GPA for admission.

Students seeking the Minor in Electrical Engineering must have a minimum course grade of “C” or better in all electrical engineering courses and prerequisites to other EEL/EEE prefixed courses and labs.

Students in the minor may take MAS 3105 Linear Algebra or its equivalent or PHZ 4113 Mathematical Physics I instead of EGM 4313 Intermediate Engineering Analysis as a prerequisite or corequisite for EEL 3112 Circuits II

Certificates

Electrical Engineering Certificate

Department: Electrical and Computer Engineering

Semester Hours: 17

This certificate will provide an opportunity for non-electrical/computer engineering students and graduates from other majors to develop a background of the fundamental courses in electrical and computer engineering. Depending on the graduate program, this certificate may be used to meet deficiency requirements for graduate programs in electrical and computer engineering for those who do not have a bachelor’s degree in Electrical and Computer Engineering. The certificate in electrical engineering is open to all UWF students with the exception of computer and electrical engineering majors.

Please note that we are in the process of updating our certificate program. Please speak to an advisor in the Electrical and Computer Engineering department for the most up to date information on the curriculum.

A minimum of 17 credits of articulation courses from two categories listed below:

Category I

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 3308</td>
<td>Electronic Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4306L</td>
<td>Electronics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>EEL 3111</td>
<td>Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3112</td>
<td>Circuits II</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3117L</td>
<td>Electrical Circuits Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Hours: 11

* Pre-req: EGM 4313, MAC 2311, MAC 2312, MAC 2313, MAP 2302, PHY 2048/L, PHY 2049/L must complete all classes with a C or higher

** For Tracks 1, 4, and 5 students will also need C or C++ (EEL 4834 or equivalent) as a prereq to the courses.

Category II Minimum of 6 credits, Choose 1 track

Track 1: Digital Computers:

<table>
<thead>
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
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<tr>
<td>EEL 3701</td>
<td>Digital Logic and Computer Systems</td>
<td>3</td>
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<tr>
<td>EEL 3701L</td>
<td>Digital Logic and Computer Systems Laboratory</td>
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</tr>
<tr>
<td>EEL 4744</td>
<td>Microprocessor Applications</td>
<td>3</td>
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<tr>
<td>EEL 4744L</td>
<td>Microprocessor Applications Laboratory</td>
<td>1</td>
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Track 2: Electronics:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EEE 3396</td>
<td>Solid-State Electronic Devices</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4306</td>
<td>Electronic Circuits II</td>
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</tr>
<tr>
<td>EEE 4306L</td>
<td>Electronic Circuits II Laboratory</td>
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Track 3: Power and Electromagnetic:

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EEL 3211</td>
<td>Basic Electric Energy Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3472</td>
<td>Electromagnetic Fields and Applications I</td>
<td>3</td>
</tr>
</tbody>
</table>

Track 4: Communication Systems:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4514</td>
<td>Communication Systems and Components</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4514L</td>
<td>Communication Laboratory</td>
<td>1</td>
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</table>

Track 5: Control Systems:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems</td>
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</tr>
<tr>
<td>EEL 4657</td>
<td>Linear Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4657L</td>
<td>Linear Controls Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

*** Although we encourage students to take EGM 4313, we will accept MAS 3105 as a suitable substitute for those who have already completed it and have a strong mathematical background.
Elementary Education

Semester Hours Required For Degree:

Elementary Education Certification: 120-128

Educational Studies: 120

The B.A. in Elementary Education offers two specializations. The traditional DOE approved specialization leads directly to Florida teacher certification in Elementary Education for Kindergarten through Grade 6 with ESOL and Reading Endorsements. The other specialization, Educational Studies, is available to students with exceptional circumstances and the explicit approval of the Director, School of Education. The Education Studies specialization prepares students to work in private settings or agencies that do not require graduation from an initial certification program; students graduating with this specialization are not eligible for certification under Florida Department of Education criteria, but may subsequently earn certification as they become eligible in one of Florida’s alternative certification programs. All Elementary Education students are initially assigned to an Elementary Education pending major until they complete the requirements listed in Admission to Teacher Education. Students interested in certification in Elementary Education and Exceptional Student Education should review the Exceptional Student Education major in this catalog (http://catalog.uwf.edu/undergraduate/exceptionalstudenteducation).

Students interested in teaching at the middle or secondary level will complete their baccalaureate degrees in the discipline and are encouraged to review the Teacher Education Programs section of this catalog (http://catalog.uwf.edu/undergraduate/teachereducation) for additional information. Prospective middle and secondary education teachers will complete Florida certification requirements through alternative certification.

Responsibility for the teacher education programs at The University rests with the Dean of the College of Professional Studies, who is the head of the Professional Education Unit.

Requirements for teacher education programs may change due to legislative mandates. Therefore, the actual program requirements may differ from those listed in the catalog. Candidates must inquire with the Director or an advisor in the School of Education to obtain the most current program requirements. Students seeking initial certification must be degree-seeking.

Fingerprinting is required for any placement in a school (including the field experience associated with EDF 1005). The Student Affidavit and Fingerprinting Application are required before any student can be placed in a school for Field Experiences or Student Teaching. Forms are available from the local school districts.

Admission to Teacher Education

Students entering UWF or declaring a major in Teacher Education will automatically be placed in a pending status until they meet the requirements for admission to teacher education. This pending status allows the unit to carefully monitor student progress through teacher education programs. Careful monitoring will ensure that knowledge, skills and/or dispositional deficits of pre-service teachers can be identified in a timely manner so that students can be provided additional support through the Culture of Achievement through a System of Tiered support (CAST) Process.

Before the completion of 12 semester hours of upper division teacher education courses, students must successfully complete the following requirements:

- Have a cumulative GPA of 2.50 in all previously attempted college work;
- Pass the General Knowledge Test of the Florida Teacher Certification Exam;
- Complete an Application for Admission to Teacher Education which includes a self-rating scale of their disposition towards teaching;
- Complete the orientation requirement; and
- Review of the items above by one of the faculty members in the School of Education and approval by the Director of the School of Education.

Those who do not complete these requirements in that period may be denied further registration, and an enrollment hold may be placed preventing any future enrollment in education courses.

Prospective teachers are expected to adhere to the Principles of Professional Conduct for the Education Profession in Florida and national standards of conduct associated with professional, accreditation, and state agencies. Teacher candidates who are struggling to meet content and/or disposition standards and/or competencies may be referred to the CAST process. Any student who is referred to the CAST process and does not successfully complete the support/intervention process may be denied continued enrollment in any professional education program.

All approvals for admission to teacher candidacy are provisional and subject to reevaluation as students progress through the program. Students denied admission or removed from the program may appeal the decision to the Dean, College of Professional Studies.

Readmission to Teacher Education

Readmission into a teacher education program requires the student to meet standards for Council for the Accreditation of Educator Preparation (CAEP), the Florida Department of Education (FDOE) and the University. Readmitted students will be required to complete the degree plan in effect at the time of readmission and to meet the requirements for admission to teacher education in effect at the time of readmission.

Course work completed prior to readmission will be reviewed for compliance with current CAEP, FDOE, and University requirements. Students will be required to retake courses not in compliance with these requirements.

Admission to Student Teaching

The student teaching program, administered through the School of Education, consists of one semester of student teaching or two semesters of internship supervised by a highly qualified teacher who has completed Clinical Educator Training. The student teaching/internship experience is scheduled during the student’s senior year.

Requirements for admission to student teaching/internship include the following:

- Full admission to teacher education;
- A minimum GPA of 2.5 in all course work;
- A minimum GPA of 2.5 in teacher education (major) courses. A grade below “C-” cannot be used to satisfy a program requirement;
Completion of specialization courses required in the major, if applicable, (see the section of this catalog related to the appropriate specialization for specific course requirements);

Pass the general knowledge, professional, and subject area tests of the Florida Teacher Certification Examination;

Successful completion of the State of Florida Educator Accomplished Practices; and

Recommendation of the student's academic advisor and approval of the Director, School of Education.

During the time a student is engaged in student teaching, any outside employment or additional academic work except senior seminar must be approved by the Director, School of Education.

**Title II Reports**

In compliance with the Higher Education Act, annual reports about teacher preparation in the state are available online (https://title2.ed.gov/View.asp). Select the appropriate year from the left column of the webpage and then click on Florida.

**Program Requirements**

Candidates for admission to the CAEP/DOE approved teacher education specialization must meet and complete admission requirements detailed above. In addition to general University requirements, students seeking the B.A. in Elementary Education must meet the following requirements.

**General Studies**

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

**General Studies Curriculum:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
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</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one course from each of the following clusters of courses

**Social Sciences: Historical Perspectives:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
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</table>

**Social Sciences: Behavioral Perspectives:**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
<td>3</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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</table>

**Social Sciences: Socio-Political Perspectives:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
<td>3</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
<td>3</td>
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<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<td>GEB 1011</td>
<td>Introduction to Business</td>
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<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td>3</td>
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<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td>3</td>
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<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td>3</td>
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<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td>3</td>
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**Humanities**

Choose one course from each of the following clusters of courses

**Literature:**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
<td>3</td>
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<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
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<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
<td>3</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
<td>3</td>
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</table>

**Fine Arts:**

<table>
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<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
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<tr>
<td>ARH 2590</td>
<td>Western Survey I: Greek to Renaissance</td>
<td>3</td>
</tr>
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<td>ARH 2591</td>
<td>Western Survey II: Baroque to Contemporary</td>
<td>3</td>
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<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
<td>3</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
<td>3</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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**Contemporary Values and Expressions:**

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<tr>
<td>PHI 2100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
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<tr>
<td>PHI 2101</td>
<td>Introduction to Logic</td>
<td>3</td>
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<tr>
<td>PHI 2102</td>
<td>Critical Thinking</td>
<td>3</td>
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<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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**Natural Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

EDF 1005 Introduction to Education 3
EDF 2085 Teaching Diverse Populations 3
EME 2040 Introduction to Educational Technology 3
Total Hours 9

In addition to EDF 2085 Teaching Diverse Populations, a minimum of 6 sh with an international or diversity focus is required. Eligible courses will be determined by the Florida public college or university where the student is currently earning the A.A. or B.S. Foreign language courses may be used to meet this requirement. Any course identified as meeting UWF’s Multicultural Requirement will fulfill this 6 sh requirement.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 15

Elementary Education Certification Specialization

The DOE approved Elementary Education Certification Specialization leads directly to Florida DOE teacher certification in Elementary Education for Kindergarten through Grade 6 with ESOL and Reading Endorsements and is part of the CAEP accredited Professional Education Unit. Students must successfully complete the Florida Teacher Certification Exam in Elementary Education, General Knowledge, and Professional Education.

Major

ARE 3313C Teaching of Art in the Elementary School 2
EDE 3942 Field Experience I 3
EDE 4200 Planning and Curriculum I 3
EDE 4201 Planning and Curriculum II 3
EDE 4302 Instruction, Management, and Assessment-Elementary 3
EDE 4421 Educational Assessment 3
EDE 4944 Field Experience 2 3
EDF 3234 Applied Foundations of Education 3
EEX 3070 Methods in Inclusion and Collaboration 3
EME 3410 Emerging Technology in the Classroom 1
HLP 4722 Health/Physical Education for Elementary School Teachers 3
LAE 3314 Literacy for the Emergent Learner 3
MAE 4310 Teaching Mathematics in the Elementary School 3
MUE 3210 Music for the Elementary School Teacher 2
RED 3310 Literacy Instruction for the Intermediate Learner 3
RED 4542C Assessment and Differentiated Instruction in Reading 3
SCE 4310 Teaching Science in the Elementary School 3
SSE 4113 Social Studies for Elementary Teachers 3
TSL 4080 ESL Principles and Practices 3
TSL 4081 Empowering Teachers to Teach English to ESOL Students 3

Students must choose one of the following student teaching options:

Option 1

EDG 4936 Senior Seminar
EDG 4940 Student Teaching

Option 2

EDG 4936 Senior Seminar
Educational Studies in Elementary Education Specialization

The Educational Studies specialization prepares students to work in private settings or agencies that do not require graduation from an initial certification program; students graduating with this specialization are not eligible for certification under Florida Department of Education criteria, but may subsequently earn certification as they become eligible in one of Florida’s alternative certification programs. This specialization is available only to students with exceptional circumstances and the explicit approval of the Director, School of Education.

Major

EDE 3942  Field Experience I  3
EDE 4302  Instruction, Management, and Assessment-Elementary  3
EDE 4421  Educational Assessment  3
EDE 4944  Field Experience 2  3
EEC 3070  Methods in Inclusion and Collaboration  3
EME 3410  Emerging Technology in the Classroom  1
RED 3310  Literacy Instruction for the Intermediate Learner  3
TSL 4080  ESOL Principles and Practices  3
TSL 4081  Empowering Teachers to Teach English to ESOL Students  3

Total Hours  25

Major-Related

Students should consult with their advisors for specific information regarding 35 hours of major-related requirements. Developing the plan for major-related courses is essential to ensure that prerequisites for major courses and other requirements are met.

Total Hours  35

Minors

Early Childhood Education

The Early Childhood Minor is designed to provide skills and understandings necessary to work with the youngest children we teach, Preschool and primary grades children. As a Minor within the Elementary Education Program, upon completion, the graduate will be prepared to work with very young children in public school, Headstart and early Headstart, prekindergarten and prekindergarten disabilities programs, child care and education centers and various agencies that serve young children. The FDOE approved Elementary education degree results in Florida DOE certification in grades K-6. Completion of this minor and passing of required testing will allow students to add a Prekindergarten/Primary endorsement to the Elementary teaching certificate.

Requirements

A minimum cumulative GPA of 2.50 is required to enroll in the minor. Students must earn a "C-" or higher in each course and a cumulative 2.50 in the minor.

Prospective teachers are expected to adhere to the Principles of Professional Conduct for the Education Profession in Florida and national standards of conduct associated with professional, accreditation, and state agencies. Teacher candidates who are struggling to meet content and/or disposition standards and/or competencies may be referred to the Culture of Achievement through a System of Tiered support (CAST) process. Any student who is referred to CAST and does not successfully complete the intervention process may be denied continued enrollment in the minor.

Course Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3204</td>
<td>Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 3704</td>
<td>Right From The Start: Education of the Developing Young Child</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4302</td>
<td>ICFE III - Integrated Curriculum/Field Experiences</td>
<td>3</td>
</tr>
</tbody>
</table>

Advisor Approved Elective  3

Total Hours  12
## Engineering Technology

The B.S. in Engineering Technology prepares graduates for a variety of engineering associated positions with industry.

### Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Engineering Technology must meet the requirements listed below.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites. A minimum grade of "C-" is required in major courses.

### Building Construction Specialization

The Building Construction specialization examines construction of all types and prepares the student for career roles such as project manager and estimator. The program teaches methodologies for managing cost control and processes through courses in contracting, scheduling, and business management. A combination of all coursework applies to any graduate who desires to sit for the residential or general contractor’s exam.

### General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

### General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
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<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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### Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives</th>
<th>3</th>
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<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
<td></td>
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<tr>
<td>AMH 2020 United States since 1877</td>
<td></td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
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</tr>
<tr>
<td>EUH 1001 Western Perspectives II</td>
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<table>
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<tr>
<th>Social Sciences: Behavioral Perspectives</th>
<th>3</th>
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<tbody>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
<td></td>
</tr>
<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
<td></td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
<td></td>
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<tr>
<td>PSY 2102 General Psychology</td>
<td></td>
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<tr>
<td>SOW 2192 Understanding Relationships in the 21st Century</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Social Sciences: Socio-Political Perspectives</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400 Current Cultural Issues</td>
<td></td>
</tr>
<tr>
<td>CPO 2002 Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>ECO 2013 Principles of Economics Macro</td>
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<tr>
<td>FIN 2104 Personal Financial Planning</td>
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<td>GEA 2000 Nations and Regions of the World</td>
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<tr>
<td>GEB 1011 Introduction to Business</td>
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<td>IDH 1041 Honors Core 2</td>
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<tr>
<td>INR 2002 International Politics</td>
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</tr>
<tr>
<td>MMC 2000 Principles of Mass Communication</td>
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<tr>
<td>PLA 2013 Survey of American Law</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American Politics</td>
<td></td>
</tr>
<tr>
<td>SYG 2080 Introduction to Sociology</td>
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</tr>
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<td>SYG 2010 Current Social Problems</td>
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### Humanities

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>LIT 2030 Introduction to Poetry</td>
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<td>LIT 2040 Introduction to Drama</td>
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<tr>
<td>LIT 1122 Great Books I</td>
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<tr>
<td>LIT 2100 Introduction to Literature</td>
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<tr>
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<tbody>
<tr>
<td>ARH 1010 Introduction to Art History</td>
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<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<tr>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C Exploring Artistic Vision</td>
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<td>ART 2821 Art and Visual Culture Today</td>
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<td>MUH 2930 The Music Experience: Special Topics</td>
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<tr>
<td>MUL 2110 Music in Western Civilization</td>
<td></td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td></td>
</tr>
<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
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</table>

<table>
<thead>
<tr>
<th>Contemporary Values and Expressions</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
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<tr>
<td>PHI 2100 Introduction to Logic</td>
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<td>PHI 2103 Critical Thinking</td>
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<td>PHI 2603 Ethics in Contemporary Society</td>
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<td>REL 1300 Introduction to World Religions</td>
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<td>SPC 2608 Basic Communication Skills</td>
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</table>

### Natural Sciences

Choose one course from each of the following clusters of courses
Institution: University of West Florida

### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student\%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
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<tbody>
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<td>Principles of Financial Accounting</td>
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</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td>PHY 2653</td>
<td>General Physics I</td>
<td>3</td>
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<tr>
<td>CBO 2570</td>
<td>Personal Computer Applications</td>
<td>3</td>
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</table>

**Total Hours:** 19

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

**Total Hours:** 0-12

**Recommended elective include:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>CBO 2570</td>
<td>Personal Computer Applications</td>
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### Major

**Major**

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BCOM 2272</td>
<td>Blueprint Reading</td>
</tr>
<tr>
<td>BCOM 2405</td>
<td>Statics and Strength of Materials</td>
</tr>
<tr>
<td>BCOM 3224</td>
<td>Construction Materials and Methods</td>
</tr>
<tr>
<td>BCOM 3281C</td>
<td>Construction Survey and Building Layout</td>
</tr>
<tr>
<td>BCOM 3561</td>
<td>Construction Mechanics I</td>
</tr>
<tr>
<td>BCOM 3590</td>
<td>Sustainable Construction</td>
</tr>
<tr>
<td>BCOM 3731</td>
<td>Construction Safety</td>
</tr>
<tr>
<td>BCOM 3762</td>
<td>Building Codes</td>
</tr>
<tr>
<td>BCOM 3781</td>
<td>CDT Prep Course: Construction Documents</td>
</tr>
<tr>
<td>BCOM 4258C</td>
<td>Project Conceptualization</td>
</tr>
<tr>
<td>BCM 4431</td>
<td>Structures</td>
</tr>
<tr>
<td>BCOM 4461</td>
<td>Solids, Concrete, and Masonry</td>
</tr>
<tr>
<td>BCOM 4564</td>
<td>Construction Mechanics II</td>
</tr>
<tr>
<td>BCOM 4701</td>
<td>Construction Administration</td>
</tr>
<tr>
<td>BCOM 4726C</td>
<td>Scheduling</td>
</tr>
<tr>
<td>BCOM 4940</td>
<td>Construction Internship/Senior Project</td>
</tr>
<tr>
<td>EGS 3613</td>
<td>Principles of Engineering Economy</td>
</tr>
<tr>
<td>ETI 3445</td>
<td>Construction Estimating</td>
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**Total Hours:** 54

### Major-Related

<table>
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<tr>
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<th>Course Name</th>
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<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>MAN 3583</td>
<td>Project Management</td>
</tr>
</tbody>
</table>

**Total Hours:** 6

### Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

**Total Hours:** 3

### Information Engineering Technology Specialization

The Information Engineering Technology specialization prepares individuals to assume roles in network, telecommunications, and instructional systems support in a wide variety of organizations, including those with main missions in training, education, and distance learning. These roles include design, development, implementation, maintenance, and adaptation of technologies to meet
the organizational goals. The program is designed for delivery at a
distance and exploits technology to offer learners opportunity to pursue
the degree even when regular attendance is problematic or relocation
is necessary.

General Studies
In addition to the general studies requirements listed on this page,
students must satisfy all additional University requirements, including
the Gordon Rule, multicultural, and foreign language requirements.
With appropriate planning and coordination with an academic advisor,
students may satisfy some of the general University requirements
through the General Studies curriculum. For a complete listing of
general degree requirements, refer to the "Graduation and General
Degree Requirements" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101</td>
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Social Sciences: 9

Choose one course from each of the following clusters of courses

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<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>AMH 2020 United States since 1877</td>
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<tr>
<td>EUH 1000 Western Perspectives I</td>
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<td>EUH 1001 Western Perspectives II</td>
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<tr>
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<td>ANT 2100 Introduction to Archaeology</td>
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<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
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<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
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<td>PSY 2012 General Psychology</td>
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<td>CPO 2002 Comparative Politics</td>
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<td>ECO 2013 Principles of Economics Macro</td>
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<td>FIN 2104 Personal Financial Planning</td>
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<td>INR 2002 International Politics</td>
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<td>MMC 2000 Principles of Mass Communication</td>
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<td>PLA 2013 Survey of American Law</td>
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<td>POS 2041 American Politics</td>
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<td>SYG 2000 Introduction to Sociology</td>
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<td>SYG 2010 Current Social Problems</td>
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<td>Literature:</td>
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<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<tr>
<td>IDH 1040 Honors Core 1</td>
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<tr>
<td>LIT 2030 Introduction to Poetry</td>
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<td>LIT 2040 Introduction to Drama</td>
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<tr>
<td>LIT 1122 Great Books I</td>
<td></td>
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<tr>
<td>LIT 2100 Introduction to Literature</td>
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<td>Fine Arts:</td>
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<tr>
<td>ARH 1010 Introduction to Art History</td>
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<tr>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<tr>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C Exploring Artistic Vision</td>
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<tr>
<td>ART 2821 Art and Visual Culture Today</td>
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<tr>
<td>MUH 2930 The Music Experience: Special Topics</td>
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<tr>
<td>MUL 2110 Music in Western Civilization</td>
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<tr>
<td>THE 2000 The Theatre Experience</td>
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<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
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<tr>
<td>Contemporary Values and Expressions:</td>
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<tr>
<td>PHI 2100 Introduction to Logic</td>
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<tr>
<td>PHI 2103 Critical Thinking</td>
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<td>PHI 2603 Ethics in Contemporary Society</td>
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<tr>
<td>REL 1300 Introduction to World Religions</td>
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<tr>
<td>SPC 2608 Basic Communication Skills</td>
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Natural Sciences 7

Choose one course from each of the following clusters of courses

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<td>Music in Western Civilization</td>
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<td>THE 2000</td>
<td>The Theatre Experience</td>
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<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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<tr>
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<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
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<td>PHI 2103</td>
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<td>Ethics in Contemporary Society</td>
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<td>Introduction to World Religions</td>
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<tr>
<td>SPC 2608</td>
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Humanities 8-9
Take two of the following courses, including at least one with lab:

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<td>3</td>
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<tr>
<td>BI 1040</td>
<td>General Ecology</td>
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<tr>
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<td>BI 1060</td>
<td>General Ecology</td>
<td>3</td>
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</tr>
<tr>
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</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 6-19

### Information Engineering Technology Specialization

<table>
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<th>Course Name</th>
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<tbody>
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<td>Information Technology Implementation Case Studies</td>
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<tr>
<td>EME 3406</td>
<td>Web Presence Deployment Strategies</td>
<td>4</td>
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<tr>
<td>EME 4454</td>
<td>Technology Systems Implementation Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EME 4622</td>
<td>Technology Systems Operations 1</td>
<td>4</td>
</tr>
<tr>
<td>EME 4627</td>
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Total Hours 18

### Major-Related

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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td>COP 4710</td>
<td>Database Systems</td>
<td>3</td>
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<tr>
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<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td>3</td>
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<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td>3</td>
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<td>ISM 4300</td>
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<td>COP 2253</td>
<td>Programming Using Java</td>
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<tr>
<td>COP 2334</td>
<td>Programming Using C++</td>
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</table>

Total Hours 19

### Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 14

### Minors

General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.
Building Construction

Construction Specialization majors may not earn this minor.

<table>
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<tr>
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<tr>
<td>BCN 3731</td>
<td>Construction Safety</td>
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<td>BCN 3762</td>
<td>Building Codes</td>
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<td>BCN 3767</td>
<td>COT Prep Course: Construction Documents</td>
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<td>BCN 4701</td>
<td>Construction Administration</td>
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Certificates

Technology Systems Support Certificate

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<tr>
<td>Method of Instruction: Online</td>
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This certificate, in conjunction with an earned A.A. or A.S. degree, meets the educational requirements for many of the technology-related job classes found in the State of Florida Career Service Classification Plan and the Bureau of Labor Statistics’ Standard Occupational Classification.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>EME 3406</td>
<td>Web Presence Deployment Strategies</td>
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<td>EME 4627</td>
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<td><strong>Total Hours</strong></td>
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</table>
English

The B.A. in English prepares students to be a part of an increasingly diverse population of critically trained readers and writers to be leaders in both the business and academic worlds. As the core of a liberal arts education, the study of language and literature fosters critical thinking, free inquiry, creativity, and clear and candid communication. In addition to its primary benefits to the life of the mind, the English major offers practical preparation for professional careers in teaching, professional writing, law, medicine, business, editing, religious affairs, the nonprofit sector, and all levels of government service. The study of literature includes contemporary texts as well as all the historical periods of British and American literature. The study of writing allows students not only to work in the familiar genres of poetry, fiction, drama, and the essay, but also to study the editorial and publishing process. Courses in the English major contribute to the student’s understanding of human culture and of the relationship between literary texts and other bodies of human knowledge such as philosophy, history, religion, psychology, classics, and modern languages. The Department of English offers two areas of specialization within the major: Liberal Arts and Writing.

Students interested in obtaining certification to teach English in secondary education need to contact an advisor in this department to plan course work that will satisfy degree and teacher certification requirements. A degree in this major is required for participation in teacher education certification options in English.

Program Requirements

In addition to the university’s general requirements, students seeking the B.A. in English must meet the requirements listed below.

Students should consult their academic advisors for courses which may satisfy both the General Studies requirements and common prerequisites. A minimum grade of “C” is required in common prerequisites and major courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

Communication

<table>
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<th>Course</th>
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<td>ENC 1102</td>
<td>English Composition II</td>
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</table>

Mathematics

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<th>Title</th>
<th>Credits</th>
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</thead>
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<td>Calculus with Business Applications</td>
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<td>MAC 2311</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020 United States since 1877</td>
<td></td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
<td></td>
</tr>
<tr>
<td>EUH 1001 Western Perspectives II</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Sciences: Behavioral Perspectives:</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
<td></td>
</tr>
<tr>
<td>CGJ 2002 Survey of Crime and Justice</td>
<td></td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td></td>
</tr>
<tr>
<td>SOW 2192 Understanding Relationships in the 21st Century</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Sciences: Socio-Political Perspectives:</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400 Current Cultural Issues</td>
<td>3</td>
</tr>
<tr>
<td>CPO 2002 Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>ECO 2013 Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>FIN 2104 Personal Financial Planning</td>
<td></td>
</tr>
<tr>
<td>GEA 2000 Nations and Regions of the World</td>
<td></td>
</tr>
<tr>
<td>GEB 1011 Introduction to Business</td>
<td></td>
</tr>
<tr>
<td>IDH 1041 Honors Core 2</td>
<td></td>
</tr>
<tr>
<td>INR 2002 International Politics</td>
<td></td>
</tr>
<tr>
<td>MMC 2000 Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013 Survey of American Law</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American Politics</td>
<td></td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>SYG 2010 Current Social Problems</td>
<td></td>
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</table>

Humanities

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Literature:</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
<td>3</td>
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<tr>
<td>IDH 1040 Honors Core 1</td>
<td></td>
</tr>
<tr>
<td>LIT 2030 Introduction to Poetry</td>
<td></td>
</tr>
<tr>
<td>LIT 2040 Introduction to Drama</td>
<td></td>
</tr>
<tr>
<td>LIT 1122 Great Books I</td>
<td></td>
</tr>
<tr>
<td>LIT 2100 Introduction to Literature</td>
<td></td>
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</tbody>
</table>

Fine Arts:

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Contemporary Values and Expressions:</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2100 Introduction to Logic</td>
<td></td>
</tr>
<tr>
<td>PHI 2103 Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>PHI 2603 Ethics in Contemporary Society</td>
<td></td>
</tr>
<tr>
<td>REL 1300 Introduction to World Religions</td>
<td></td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
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</table>

Natural Sciences

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

University of West Florida
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Choose one of the following options:

**Option 1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 English Composition I *</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 English Composition II *</td>
<td>3</td>
</tr>
</tbody>
</table>

**Option 2**

Six semester hours of English coursework in which the student is required to demonstrate college-level English skills through multiple assignments.

Total Hours: 6

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 24

English Liberal Arts Specialization

The Liberal Arts Specialization prepares students for graduate-level work in English; provides students with valuable pre-law, pre-medical, and other pre-professional training; and gives students solid preparation for careers in such areas as business, communications, or government service.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 3010 Critical Methods for Literary Study</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4013 Introduction to Literary Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4934 Capstone Experience ( * A one-semester internship (ENC4940) of 3 s.h. approved by the Department may be an alternative avenue for fulfilling the capstone requirement. )</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2010 American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2010 History of English Literature I</td>
<td>3</td>
</tr>
<tr>
<td>AML 2020 American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2020 History of English Literature II</td>
<td>3</td>
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</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 4060 History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4203 Old English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4210 Topics in Medieval Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4224 Topics in Early Modern Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 4240 Topics in Romantic Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4234 Topics in Eighteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4251 Topics in Victorian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4284 Topics in 20th-Century and Contemporary British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4014 Topics in Early American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4015 Topics in Nineteenth-Century American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4054 Topics in Twentieth-Century and Contemporary American Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3604 African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 3624 Black Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENG 3843 Theories of Sexuality and Gender</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3233 Postcolonial Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Hours: 36-37
English Writing specialization offers students experience in writing beyond that gained in the core courses in literature. Students who choose to develop their creative writing skills can take courses in poetry, short fiction, and creative nonfiction. The department publishes two literature magazines: Panhandler, which features creative work from professional writers throughout the country, and The Troubadour, a poetry and short fiction magazine written and edited entirely by students. Students who choose to develop their writing and editing skills can gain the experience needed for jobs in the publishing industry or in writing-intensive careers in business or government. English Writing specialization students may also gain journalistic experience by writing for The Voyager, the campus newspaper. Internships on campus or in the community offer additional preparation for careers in writing or editing.

**Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 3010</td>
<td>Critical Methods for Literary Study</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4934</td>
<td>Capstone Experience (A one-semester internship) (ENC4940) of 3 s.h. approved by the Department may be an alternative avenue for fulfilling the capstone requirement.)</td>
<td>3</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2010</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2010</td>
<td>History of English Literature I</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2020</td>
<td>American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2020</td>
<td>History of English Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 4203</td>
<td>Old English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4060</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4210</td>
<td>Topics in Medieval Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4224</td>
<td>Topics in Early Modern Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 4234</td>
<td>Topics in Eighteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4240</td>
<td>Topics in Romantic Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4251</td>
<td>Topics in Victorian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4284</td>
<td>Topics in 20th-Century and Contemporary British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4014</td>
<td>Topics in Early American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4015</td>
<td>Topics in Nineteenth-Century American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 4054</td>
<td>Topics in Twentieth-Century and Contemporary American Literature</td>
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<tbody>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 3624</td>
<td>Black Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENG 3843</td>
<td>Theories of Sexuality and Gender</td>
<td>3</td>
</tr>
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</table>

* 12 sh in the field not previously completed consisting of 3000/4000 level courses with AML, CRW, ENC, ENG, ENL, LAE, LI, or LIT prefixes

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3110</td>
<td>Fiction Writing</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3310</td>
<td>Poetry Writing</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3424</td>
<td>Playwriting</td>
<td>3</td>
</tr>
<tr>
<td>CRW 4211</td>
<td>Creative Non-Fiction</td>
<td>3</td>
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Choose three of the following:

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<th>Hours</th>
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<tbody>
<tr>
<td>JOU 2100</td>
<td>Newspaper Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JOU 3300</td>
<td>Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4302</td>
<td>Editorial Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4308</td>
<td>Magazine Writing</td>
<td>3</td>
</tr>
<tr>
<td>FIL 4102</td>
<td>Writing for Film-Television-Radio</td>
<td>3</td>
</tr>
<tr>
<td>PUR 3100</td>
<td>Writing for Public Relations</td>
<td>3</td>
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</table>

**Minor**

**English**

To earn a Minor in English, students must complete at least 15 sh of upper-division courses in a planned program which includes those specified below. English majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 3010</td>
<td>Critical Methods for Literary Study</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4013</td>
<td>Introduction to Literary Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENL 4333</td>
<td>Shakespeare</td>
<td>3</td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000/4000 level English Literature (ENL) course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>3000/4000 level American Literature (AML) course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 15

**Spanish**

The Minor in Spanish is designed to build upon the student’s skills in speaking, reading, and writing the language; to provide fuller understanding of the structure of the language; and to increase knowledge and appreciation of the history and culture represented by the language. This minor is available to all undergraduate students.

A grade of “C” or better is required in all courses. The minor requires a minimum of 15 sh at the 2000 level or above of Spanish (SPN and SPW) courses of which 12 sh must be at the 3000/4000 level, and 12 sh must be completed at UWF.

**Requirements**

Of the 15 sh that students must complete, at least 12 sh must be 3000/4000 level courses.
SPN 2200  Intermediate Reading and Translation  3
SPN 2210  Intermediate Composition & Conversation  3
SPN 3400  Advanced Stylistics  3
SPN 3410  Composition and Conversation  3
SPN 4500  Spanish Civilization  3
SPN 4520  Latin American Culture and Civilization  3
SPN 4905  Directed Study  1-3
Total Hours  19-21

Certificates

German Business Language and Culture Certificate
Department: English and Foreign Language
Method of Instruction: Classroom
Semester Hours: 14

Integrating language instruction and cross-cultural business communication into the curriculum of those students who plan to study abroad. All course grades must be "C" or better.

GER 1120C  German I  4
GER 1121C  German II  4
MAR 3990  Global Logistics  3
GER 4990  Intensive German Abroad  3
Total Hours  14

Spanish Business Language and Culture Certificate
Department: English and Foreign Languages
Method of Instruction: Classroom
Semester Hours: 14

All course grades must be "C" or better.

MAR 3990  Global Logistics  3
SPN 4955  Intensive Spanish Abroad  1-5
Choose one of the following:  3
SPN 2200  Intermediate Reading and Translation
SPN 2210  Intermediate Composition & Conversation
Choose one of the following:  3
SPN 3400  Advanced Stylistics
SPN 3410  Composition and Conversation
Total Hours  10-14
Environmental Science

This interdisciplinary program offers a B.S. degree in Environmental Science. Students learn to analyze physical and socioeconomic environments and to reach decisions concerning environmental use and protection. The major allows students to obtain an interdisciplinary background suitable for environmental monitoring and planning. Graduates are prepared for entry- and middle-level positions in governmental agencies in such areas as regional planning and resource management; for positions in industry and the private sector; or to pursue graduate degrees in urban/regional planning, resource management, coastal studies, Geographic Information Systems (GIS), and the geosciences.

Two specializations are available under this B.S. program: Environmental Management and Natural Science. According to the departmental Academic Learning Compact, assessment of Student Learning Outcomes includes:

1. A written exit exam during a student’s last semester of residency.
2. A portfolio of the two best student projects.

Contact the department for information concerning the Certificate in Geographic Information Science (GIS).

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Environmental Science must meet the requirements listed below.

Students must consult with their academic advisors for courses that may satisfy both the General Studies requirements and common prerequisites.

Environmental Management Specialization

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2100</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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</tbody>
</table>

Social Sciences: Behavioral Perspectives: 3

<table>
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<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>Human Development Across the Lifespan</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Socio-Political Perspectives: 3

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<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</table>

Humanities 8-9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
</tbody>
</table>
Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072: Sex, Money, and Power in American Literature
- IDH 1040: Honors Core 1
- LIT 2030: Introduction to Poetry
- LIT 2040: Introduction to Drama
- LIT 1122: Great Books I
- LIT 2100: Introduction to Literature

**Fine Arts:**
- ARH 1010: Introduction to Art History
- ARH 2050: Western Survey I: Greek to Renaissance
- ARH 2051: Western Survey II: Baroque to Contemporary
- ART 1015C: Exploring Artistic Vision
- ART 2821: Art and Visual Culture Today
- MUL 2110: Music in Western Civilization
- THE 2000: The Theatre Experience
- THE 2300: Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010: Introduction to Philosophy
- PHI 2100: Introduction to Logic
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: Introduction to World Religions
- SPC 2608: Basic Communication Skills

**Natural Sciences**

Choose two of the following courses, including at least one with lab:

- ANT 2511: Biological Anthropology
- ANT 2511L: Biological Anthropology Lab
- AST 3033: Modern Astronomy
- BOT 2010-L: General Botany (+Lab)
- BSC 1005: General Biology for Non-Majors
- BSC 1005L: General Biology Laboratory for Non-Majors
- BSC 1050: Fundamentals of Ecology
- BSC 1085: Anatomy and Physiology I
- BSC 1085L: Anatomy and Physiology I Laboratory
- BSC 1085L: Anatomy and Physiology I Laboratory
- BSC 1086: Anatomy and Physiology II
- BSC 1086L: Anatomy & Physiology II Laboratory
- BSC 2311: Introduction to Oceanography and Marine Biology
- BSC 2311L: Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060: Excursions in Computing
- CGS 2060L: Excursions in Computing Lab
- CHM 1020: Concepts in Chemistry
- CHM 1020L: Concepts in Chemistry Lab
- CHM 1032: Fundamentals of General Chemistry
- CHM 1032L: Fundamentals of General Chemistry Laboratory
- CHM 2045: General Chemistry I
- CHM 2045L: General Chemistry I Laboratory
- CHM 2046: General Chemistry II
- CHM 2046L: General Chemistry II Laboratory
- GEO 1200-L: Physical Geography (+Lab)
- GEO 2330: Environmental Science
- GLY 2010: Physical Geology
- GLY 2010L: Physical Geology Laboratory
- MCB 1000: Fundamentals of Microbiology
- MCB 1000L: Fundamentals of Microbiology Laboratory
- PHY 1020: Introduction to Concepts in Physics
- PHY 1020L: Introduction to Concepts in Physics Laboratory
- PHY 2048: University Physics I
- PHY 2048L: University Physics I Lab
- PHY 2049: University Physics II
- PHY 2049L: University Physics II Lab
- PHY 2053: General Physics I
- PHY 2053L: General Physics I Laboratory
- PHY 2054: General Physics II
- PHY 2054L: General Physics II Laboratory
- PHZ 1450: Exotic Physics
- ZOO 1010-L: General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

Environmental Management Environmental Science majors should take the following to satisfy perspectives of General Studies:

**Social Science/Behavioral Perspectives (one of the following):** 3
- ANT 2000: Introduction to Anthropology
- PSY 2012: General Psychology

**Social Science/Socio-political Perspectives (one of the following):** 3
- GEA 2000: Nations and Regions of the World
Common Prerequisites
State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005+L</td>
<td>General Biology for Non-Majors (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010+L</td>
<td>Physical Geology (+Lab)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 26

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives
Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-10

Environmental Core

<table>
<thead>
<tr>
<th>CONTENT</th>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3250+L</td>
<td>Environmental Science</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>GEO 3260+L</td>
<td>Environmental Biology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>GEO 3270+L</td>
<td>Environmental Geology</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL HOURS: 0-10

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Department</th>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 4302</td>
<td>Environmental Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3</td>
</tr>
<tr>
<td>POS 3283</td>
<td>Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4004</td>
<td>Public Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper Division Electives
Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 0-10

It is highly recommended that students choose from the following to complete their upper division electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 4302</td>
<td>Environmental Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3</td>
</tr>
<tr>
<td>POS 3283</td>
<td>Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4004</td>
<td>Public Policy</td>
<td>3</td>
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</tbody>
</table>

Natural Science Specialization

Major

Environmental Studies Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3372</td>
<td>Conservation of Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035+L</td>
<td>Photo Interpretation and Remote Sensing (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours: 34

Choice one:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4302</td>
<td>Environmental Economics and Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 0-10

Social Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 0-10
Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives: 3
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCO 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives: 3
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- GEO 2000 Nations and Regions of the World
- GEA 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities 8-9
Choose one course from each of the following clusters of courses

Literature: 3
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts: 3
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUL 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
Take two of the following courses, including at least one with lab:
- ANT 2511 Biological Anthropology
- ANT 2511L Biological Anthropology Lab
- AST 3033 Modern Astronomy
- BOT 2010L General Botany (+Lab)
- BSC 1005 General Biology for Non-Majors
- BSC 1005L General Biology Laboratory for Non-Majors
- BSC 1050 Fundamentals of Ecology
- BSC 1085 Anatomy and Physiology I
- BSC 1085L Anatomy and Physiology I Laboratory
- BSC 1086 Anatomy and Physiology II
- BSC 1086L Anatomy & Physiology II Laboratory
- BSC 2311 Introduction to Oceanography and Marine Biology
- BSC 2311L Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060 Excursions in Computing
- CGS 2060L Excursions in Computing Lab
- CHM 1020 Concepts in Chemistry
- CHM 1020L Concepts in Chemistry Lab
- CHM 1032 Fundamentals of General Chemistry
- CHM 1032L Fundamentals of General Chemistry Laboratory
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Laboratory
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Laboratory
- GEO 1200 General Physical Geography (+Lab)
- GEO 2330 Environmental Science
- GLY 2010 General Geology
- GLY 2010L General Geology Laboratory
- MCB 1000 Fundamentals of Microbiology
- MCB 1000L Fundamentals of Microbiology Laboratory
- PHY 1020 Introduction to Concepts in Physics
- PHY 1020L Introduction to Concepts in Physics Laboratory
- PHY 2048 University Physics I
- PHY 2048L University Physics I Lab
- PHY 2049 University Physics II
- PHY 2049L University Physics II Lab
- PHY 2053 General Physics I
- PHY 2053L General Physics I Laboratory
- PHY 2054 General Physics II
- PHY 2054L General Physics II Laboratory
- PHZ 1450 Exotic Physics
- ZOO 1010L General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Natural Science Environmental Science majors should take the following to satisfy perspectives of General Studies:

Social Science/Behavioral Perspectives (one of the following):
- ANT 2000 Introduction to Anthropology
- PSY 2012 General Psychology

Social Science/Socio-political Perspectives (one of the following):
- GEA 2000 Nations and Regions of the World
### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GLY 2010+L</td>
<td>Physical Geology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048+L</td>
<td>University Physics I (+Lab) *</td>
<td>4</td>
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</tbody>
</table>

**Total Hours**: 27

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

### Environmental Core

#### CONTENT

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3250+L</td>
<td>Weather and Climate (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3260+L</td>
<td>Geography of Soils (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4280+L</td>
<td>Basic Hydrology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4316+L</td>
<td>Landscape Biogeography (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

#### TECHNIQUES AND SKILLS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EVR 3894</td>
<td>Environmental Writing</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4164</td>
<td>Geostatistics</td>
<td>3</td>
</tr>
<tr>
<td>GIS 3015+L</td>
<td>Cartographic Skills (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4043+L</td>
<td>Geographic Information Systems (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

#### CAPSTONE

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 4332</td>
<td>Senior Seminar</td>
<td>1</td>
</tr>
<tr>
<td>EVR 4941</td>
<td>Practicum in Environmental Studies</td>
<td>3</td>
</tr>
<tr>
<td>EVR 4970</td>
<td>Senior Thesis in Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4944</td>
<td>GIS Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**: 34

### Major (57-60 sh)

Environmental Science Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4251</td>
<td>Advanced Climatology and Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4043+L</td>
<td>Ecology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EVS 4192C</td>
<td>Environmental Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 3031C</td>
<td>Environmental Geology</td>
<td>3</td>
</tr>
<tr>
<td>EVR 4023</td>
<td>Coastal and Marine Environments</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4221+L</td>
<td>Coastal Morphology and Processes (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>Seminar: Special Topics in Advanced Chemistry (Environmental Chemistry)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**: 34

### Minors

#### Environmental Science

The minor in Environmental Science is offered as a micro-version of the B.S. in Environmental Science degree. The required courses represent a cross section of the departmental offerings.

An Environmental Science Minor consists of 19-20 sh; of the 12-13 upper-level hours, at least 9 of which must be taken at UWF. Directed studies may not be used. Environmental Science majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3372</td>
<td>Conservation of Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GLY 2010+L</td>
<td>Physical Geology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours**: 34

### Geography

A Minor in Geography consists of 20 sh of courses. Of the upper-division (13 sh), a minimum of 9 sh must be taken at UWF. Directed studies may not be used.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3421</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4043+L</td>
<td>Geographic Information Systems (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EGA 4000 level</td>
<td>GEO, or GIS elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**: 20
Certificates

Geographic Information Science Certificate
Department: Environmental Science
Veterans Affairs (VA) Certified? Yes
Semester Hours: 24

This certificate program is designed to teach students, from novice to working professionals, both the highly in-demand technical skill of using industry-standard geospatial software as well as a strong conceptual foundation in Geographic Information Science necessary for advanced analyst and manager roles. Geographic Information Systems is a computerized system that allows users to work with, interrelate, and analyze virtually all forms of spatial data for decision making. The program represents the latest technologies that are revolutionizing many disciplines, including geography, environmental sciences, archaeology, business, defense and intelligence, and public health/safety in the information age. Required courses and GIS internship have been carefully combined to reflect the real-world requirements needed for careers in the geospatial sciences. Students may choose between face-to-face (Pensacola campus) and online courses by applying to one of the two program offerings available: GIS Certificate (http://uwf.edu/gis/undergrad_cert) and Online GIS Certificate (http://uwf.edu/gisonline/CourseOptions/GISCertificate.cfm) programs.

Two specializations are available under the Online GIS Certificate program: Traditional GIS and Archaeology for GIS. Six semester hours are devoted to each specialization. See the Course Catalog (http://catalog.uwf.edu/courseinformation/courses/gis) for course descriptions.

Students who successfully complete the 24-credit program (including pre-requisites) with a 3.0 overall GPA will be awarded a certificate in Geographic Information Science.

Admission Requirements
Those interested in obtaining a GIS Certificate must apply and be approved by the GIS Certificate Committee prior to enrollment. Admission requirements vary slightly between our two program offerings: GIS Certificate program (Pensacola campus) and Online GIS Certificate program (online campus). Admission requirements by program are provided below.

Students may transfer one class (3 or 4 credits) into the program providing the transfer criteria are met. The class must not have counted towards a degree or a certificate at another institution and must be an upper level undergraduate class from a regionally accredited U.S. university.

GIS Certificate Program:
- Submission of Application for Admittance.
- Admission to UWF as a degree or non-degree seeking student.
- UWF undergraduate majors must obtain a C- or better in the following courses.
  - MAC 1105 College Algebra
  - STA 2023 Elements of Statistics
  - CGS 2570 Personal Computer Applications

Students who have equivalent background but did not take the above courses formally may be admitted into the program upon demonstrating equivalent proficiency. Students must also receive formal approval from the proposed GIS Certificate Program committee.

Online GIS Certificate Program:
- Submission of Online GIS Certificate Application.
- Submission of letter of intent describing the candidate’s work experience and reasons for pursuing the certificate program, including how the certificate relates to career goals.
- Successful completion of the Computer Skills Assessment.
- Admission to UWF as a degree or non-degree seeking student.

Course Requirements
Students accepted into the certificate program of their choice should schedule to meet with a program advisor to receive a detailed course plan.

Students accepted into the Online GIS Certificate program should select, by the end of the first semester, the traditional GIS or archaeology for GIS specialization. Online GIS courses are offered once a year unless otherwise stated.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 3015+L</td>
<td>Cartographic Skills (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4035+L</td>
<td>Photo Interpretation and Remote Sensing (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4043+L</td>
<td>Geographic Information Systems (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4102</td>
<td>GIS Programming</td>
<td>3</td>
</tr>
<tr>
<td>Choose from the following (3hr)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GIS 4048</td>
<td>Applications in Geographic Information Systems</td>
<td></td>
</tr>
<tr>
<td>GIS 4260</td>
<td>GIS Applications for Archaeology (Offered only with Online Certificate Program)</td>
<td></td>
</tr>
<tr>
<td>Choose from the following (3hr)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GIS 4930</td>
<td>Special Topics in Geographic Information Science</td>
<td></td>
</tr>
<tr>
<td>GIS 4XXX</td>
<td>Special Topics in Geographic Information Science for Archaeology (online only)</td>
<td></td>
</tr>
<tr>
<td>Choose from the following (3 sh)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GIS 4905</td>
<td>Directed Study (1-3sh)</td>
<td></td>
</tr>
<tr>
<td>GIS 4944</td>
<td>GIS Internship (1-3 sh)</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 24
Exceptional Student Education

Semester Hours Required For Degree:
  Exceptional Student Certification: 120-132
  Educational Studies: 120

The B.A. degree program in Exceptional Student Education is designed to prepare students who plan to teach children and youth with exceptionalities. Many aspects of the program provide the student with opportunities to work with exceptional children. The Exceptional Student and Elementary Certification Specialization is an FDOE approved specialization that leads directly to Florida DOE certification in Exceptional Student Education (K-12) and Elementary Education (K-6) with ESOL and Reading Endorsements. Graduates of the Exceptional Student and Elementary Education Certification Specialization will be certified as “highly qualified” based upon the No Child Left Behind Act. Students must successfully complete the Florida Teacher Certification Exam in Exceptional Student Education, Elementary Education, General Knowledge, and Professional Education.

The second specialization, Educational Studies, is available only to students with exceptional circumstances and the explicit approval of the Director, School of Education. It prepares students to work in private settings or agencies that do not require graduation from an initial certification program. Students graduating with this specialization are not eligible for certification under Florida Department of Education criteria but may subsequently earn certification as they become eligible in one of Florida’s alternative certification programs.

All students in this major are initially assigned to an Exceptional Student Education/Elementary Education pending major until they complete the requirements listed in Admission to Teacher Education.

Students interested in teaching at the middle or secondary level (other than exceptional student education) will complete their baccalaureate degrees in the discipline and are encouraged to review the Teacher Education Programs section of this catalog (http://catalog.uwf.edu/undergraduate/teachereducation) for additional information.

Prospective middle and secondary education teachers will complete the requirements listed in Admission to Teacher Education.

Admission to Teacher Education

Students entering UWF or declaring a major in Teacher Education will automatically be placed in a pending status until they meet the requirements for admission to teacher education. This pending status allows the unit to carefully monitor student progress through teacher education programs. Careful monitoring will ensure that knowledge, skills and/or dispositional deficits of pre-service teachers can be identified in a timely manner so that students can be provided additional support through the Culture of Achievement through a System of Tiered support (CAST) process.

Before the completion of 12 semester hours of upper division teacher education courses, students must successfully complete the following requirements:

- Have a cumulative GPA of 2.50 in all previously attempted college work;
- Pass the General Knowledge Test of the Florida Teacher Certification Exam;
- Complete an Application for Admission to Teacher Education which includes a self-rating scale of their disposition towards teaching;
- Complete the orientation requirement; and
- Review of the items above by one of the faculty members in the School of Education and approval by the Director of the School of Education.

Those who do not complete these requirements in that period may be denied further registration, and an enrollment hold may be placed preventing any future enrollment in education courses.

Readmission to Teacher Education

Readmission into a teacher education program requires the student to meet standards for the Council for the Accreditation of Educator Preparation (CAEP), the Florida Department of Education (FDOE) and the University. Readmitted students will be required to complete the degree plan in effect at the time of readmission and to meet the requirements for admission to teacher education in effect at the time of readmission.

Course work completed prior to readmission will be reviewed for compliance with current CAEP, FDOE, and University requirements. Students will be required to retake courses not in compliance with these requirements.

Admission to Student Teaching

The student teaching program, administered through the School of Education, consists of one semester of student teaching or two semesters of internship supervised by a highly qualified teacher who has completed Clinical Educator Training. The student teaching/internship experience is scheduled during the student’s senior year.

Requirements for admission to student teaching/internship include the following:
• Full admission to teacher education;
• A minimum GPA of 2.5 in all course work;
• A minimum GPA of 2.5 in teacher education (major) courses. A grade below "C-" cannot be used to satisfy a program requirement;
• Completion of specialization courses required in the major, if applicable, (see the section of this catalog related to the appropriate specialization for specific course requirements);
• Pass the general knowledge, professional, and subject area tests of the Florida Teacher Certification Examination;
• Successful completion of the State of Florida Educator Accomplished Practices; and
• Recommendation of the student’s academic advisor and approval of the Director, School of Education.

During the time a student is engaged in student teaching, any outside employment or additional academic work except senior seminar must be approved by the Director, School of Education.

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Title II Reports

In compliance with the Higher Education Act, annual reports about teacher preparation in the state are available online (https://title2.ed.gov/View.asp). Select the appropriate year from the left column of the webpage and then click on Florida.

Program Requirements

Candidates for admission to the CAEP/DOE approved teacher education specialization must meet and complete admission requirements detailed above. In addition to general University requirements, students seeking the B.A. in Exceptional Student Education/Elementary Education must meet the following requirements.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1144</td>
<td>Prealgebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020 United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001 Western Perspectives II</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CGJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Literature:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
</tr>
</tbody>
</table>

Fine Arts:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
</tbody>
</table>

Contemporary Values and Expressions:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MG 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MG 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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</tr>
<tr>
<td>MAC 2312</td>
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<td>4</td>
</tr>
<tr>
<td>MG 1106</td>
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<td>3</td>
</tr>
<tr>
<td>MG 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Total Hours</th>
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</thead>
<tbody>
<tr>
<td>EDF 1005</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>9</td>
</tr>
</tbody>
</table>

In addition to EDF 2085 Teaching Diverse Populations, a minimum of 6 sh with an international or diversity focus is required. Eligible courses will be determined by the Florida public college or university where the student is currently earning the A.A. or B.S. foreign language courses may be used to meet this requirement. Any course identified as meeting UWF’s Multicultural Requirement will fulfill this 6 sh requirement.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EGD 4373</td>
<td>Elementary and Special Education Integrated Arts</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3070</td>
<td>Methods in Inclusion and Collaboration</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4141</td>
<td>Survey of Normal and Abnormal Language and Speech Development</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4221C</td>
<td>Evaluation and Prescriptive Instruction for the Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4254</td>
<td>Instructional Strategies for Teaching Students with Exceptionalities</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4255</td>
<td>Curriculum for Teaching Students with Exceptionalities</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4261</td>
<td>Educational Management of Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4474</td>
<td>Curricula for Teaching Students with Severe Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4772</td>
<td>Personal, Social and Employment Skills for Exceptional Students</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4832</td>
<td>Field Experience I</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4833</td>
<td>Field Experience 2</td>
<td>3</td>
</tr>
<tr>
<td>LAE 3314</td>
<td>Literacy for the Emergent Learner</td>
<td>3</td>
</tr>
<tr>
<td>MAE 4310</td>
<td>Teaching Mathematics in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Literacy Instruction for the Intermediate Learner</td>
<td>3</td>
</tr>
<tr>
<td>RED 4542C</td>
<td>Assessment and Differentiated Instruction in Reading</td>
<td>3</td>
</tr>
<tr>
<td>SCE 4310</td>
<td>Teaching Science in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>SSE 4113</td>
<td>Social Studies for Elementary Teachers</td>
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</tr>
<tr>
<td>TSL 4080</td>
<td>ESOL Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4081</td>
<td>Empowering Teachers to Teach English to ESOL Students</td>
<td>3</td>
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</table>

Total Semester Hours: 36-37
Undergraduate Degrees and Areas of Specialization

Student Teaching (choose one of the following options):

<table>
<thead>
<tr>
<th>Option 1</th>
<th></th>
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<tbody>
<tr>
<td>EDG 4936</td>
<td>Senior Seminar</td>
</tr>
<tr>
<td>EDG 4940</td>
<td>Student Teaching</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4936</td>
<td>Senior Seminar</td>
</tr>
<tr>
<td>EDG 4941</td>
<td>Teaching Internship I</td>
</tr>
<tr>
<td>EDG 4942</td>
<td>Teaching Internship II</td>
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</tbody>
</table>

Total Hours: 72

Educational Studies in Exceptional Student Education Specialization

The Educational Studies Specialization prepares students to work in private settings or agencies that do not require graduation from an initial certification program. Students graduating with this specialization are not eligible for certification under Florida Department of Education criteria but may subsequently earn certification as they become eligible in one of Florida’s alternative certification programs. This specialization is available only to students with exceptional circumstances and the explicit approval of the Director, School of Education.

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 2010</td>
<td>Introduction to Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4221C</td>
<td>Evaluation and Prescriptive Instruction for the Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4832</td>
<td>Field Experience I</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4833</td>
<td>Field Experience 2</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4261</td>
<td>Educational Management of Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EME 3410</td>
<td>Emerging Technology in the Classroom</td>
<td>1</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Literacy Instruction for the Intermediate Learner</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>ESOL Principles and Practices</td>
<td>3</td>
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<tr>
<td>TSL 4081</td>
<td>Empowering Teachers to Teach English to ESOL Students</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 25

Major-Related

Consult with your advisor for specific information regarding 35 sh of major-related requirements. Developing the plan for Major-Related courses is essential to ensure that prerequisites for major courses and other requirements are met.

Minors

Exceptional Student Education

The Minor in Exceptional Student Education consists of 12 sh of special education courses and an advisor approved upper division elective. This minor is not available to Special Education majors.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 2010</td>
<td>Introduction to Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4261</td>
<td>Educational Management of Exceptional Children</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4660</td>
<td>Advanced Behavior Management for Students with Exceptionalities</td>
<td>3</td>
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<tr>
<td>Advisor Approved Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

3000/4000 level related course approved by advisor | 3

Total Hours: 15
Finance

The B.S.B.A. in Finance prepares students for professional careers in areas such as corporate financial management, financial institutions management, investments, and financial planning. The program also provides the foundation to pursue the designations of Chartered Financial Analyst (CFA) or Certified Financial Planner (CFP).

Program Requirements

In addition to the university’s general requirements, students seeking the B.S.B.A. in Finance must meet the requirements listed below. Students should consult with their academic advisors for courses which may satisfy both the General Studies requirements and common prerequisites.

A minimum course grade of “C” is required in all College of Business prerequisites and courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
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<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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</tr>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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</table>

Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
<td></td>
</tr>
<tr>
<td>AMH 2020 United States since 1877</td>
<td></td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
<td></td>
</tr>
<tr>
<td>EUH 1001 Western Perspectives II</td>
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<table>
<thead>
<tr>
<th>Social Sciences: Behavioral Perspectives:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
<td></td>
</tr>
<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
<td></td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
<td></td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td></td>
</tr>
<tr>
<td>SOW 2192 Understanding Relationships in the 21st Century</td>
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</table>

<table>
<thead>
<tr>
<th>Social Sciences: Socio-Political Perspectives:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400 Current Issues</td>
<td></td>
</tr>
<tr>
<td>CPO 2002 Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>ECO 2013 Principles of Economics Macro</td>
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</tr>
<tr>
<td>FIN 2104 Personal Financial Planning</td>
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<tr>
<td>GEA 2000 Nations and Regions of the World</td>
<td></td>
</tr>
<tr>
<td>GEB 1011 Introduction to Business</td>
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<tr>
<td>IDH 1041 Honors Core 2</td>
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<tr>
<td>INR 2002 International Politics</td>
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<tr>
<td>MMC 2000 Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013 Survey of American Law</td>
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<td>POS 2041 American Politics</td>
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<tr>
<td>SYG 2000 Introduction to Sociology</td>
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<tr>
<td>SYG 2010 Current Social Problems</td>
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Humanities

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Literature:</th>
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<tbody>
<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<tr>
<td>IDH 1040 Honors Core 1</td>
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<tr>
<td>LIT 2030 Introduction to Poetry</td>
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<tr>
<td>LIT 2040 Introduction to Drama</td>
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<tr>
<td>LIT 1122 Great Books I</td>
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<td>LIT 2100 Introduction to Literature</td>
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<table>
<thead>
<tr>
<th>Fine Arts:</th>
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<tr>
<td>ARH 1010 Introduction to Art History</td>
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<tr>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<tr>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C Exploring Artistic Vision</td>
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<tr>
<td>ART 2821 Art and Visual Culture Today</td>
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</tr>
<tr>
<td>MUH 2930 The Music Experience: Special Topics</td>
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<tr>
<td>MUL 2110 Music in Western Civilization</td>
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</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td></td>
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<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Contemporary Values and Expressions:</th>
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<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
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<tr>
<td>PHI 2100 Introduction to Logic</td>
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<tr>
<td>PHI 2103 Critical Thinking</td>
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<tr>
<td>PHI 2603 Ethics in Contemporary Society</td>
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<tr>
<td>REL 1300 Introduction to World Religions</td>
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<tr>
<td>SPC 2608 Basic Communication Skills</td>
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</table>

Natural Sciences
Studies:

Finance majors should take the following components for General Studies:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td>3</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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<tr>
<td>Mathematics Component</td>
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Humanities/Values and Expressions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 2010</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>University Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
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</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Finance majors should take the following components for General Studies:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany (+Lab)</td>
<td>4</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
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<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology **</td>
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<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology Laboratory</td>
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<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<tr>
<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
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<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry **</td>
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<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
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<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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<td>CHM 2046</td>
<td>General Chemistry II</td>
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<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
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<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
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<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics *</td>
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</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
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<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<tr>
<td>PHY 2049</td>
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<td>PHY 2049L</td>
<td>University Physics II Lab</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
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<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
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<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
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<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
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<tr>
<td>CGB 2570</td>
<td>Personal Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro *</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications *</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 21

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 3-12

Major

College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal Environment of Business</td>
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<tr>
<td>FIN 3403</td>
<td>Managerial Finance</td>
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<tr>
<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
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<tr>
<td>GEB 3453</td>
<td>Business Ethics and Stakeholder Management</td>
<td>3</td>
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<tr>
<td>GEB 4361</td>
<td>International Business</td>
<td>3</td>
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<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
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<td>MAN 3025</td>
<td>Management Fundamentals</td>
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<td>MAN 3504</td>
<td>Operations Management</td>
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<td>MAN 4720</td>
<td>Policy Analysis and Formulation</td>
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<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
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Total Hours: 30

Finance Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIN 3244</td>
<td>Financial Markets and Institutions</td>
<td>3</td>
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<tr>
<td>FIN 4414</td>
<td>Financial Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>FIN 4424</td>
<td>Problems in Corporate Finance</td>
<td>3</td>
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</table>
FIN 4504 Investments 3
FIN 4514 Security Analysis and Portfolio Management 3
AGC 3172 Financial Accounting Topics 3
or ACG 3101 Intermediate Financial Accounting I
3000/4000 level advisor-approved ACG/ECO/FIN/TAX elective 3
3000/4000 level advisor-approved elective 3
Total Hours 24

Upper Division Electives
3000/4000 level electives 6

Minors

Finance
A minor in Finance requires completion of 18-24 hours including at
least 12 hours of upper division courses at UWF. Finance majors may
not earn this minor. Students should complete MAC 1105 College
Algebra, STA 2023 Elements of Statistics, and any computer literacy
courses before enrolling in required courses. A minimum grade of "C"
is required in all College of Business prerequisites and courses.

AGC 3082 Accounting for Non-Majors 3
ECO 3003 Principles of Economic Theory and Public Policy 3
FIN 3244 Financial Markets and Institutions 3
FIN 3403 Managerial Finance 3
3000/4000 level Finance (FIN) courses 6
Total Hours 18

Certificates

Financial Institutions Certificate Level 1
This certificate is only available through agreement with partner
companies.
Department: Finance
Semester Hours: 9
This certificate will be awarded upon completion of 9 semester hours
of prescribed undergraduate courses in finance, economics and
accounting.
Program Requirements
In addition to meeting general University requirements, participants
must successfully complete the prescribed courses earning a grade of
"C" (2.0) or better in each course.

ECO 3003 Principles of Economic Theory and Public Policy 3
ECO 3223 Money and Banking 3
AGC 3082 Accounting for Non-Majors 3
Total Hours 9

Financial Institutions Certificate Level 2
This certificate is only available through agreement with partner
companies.
Department: Finance
Semester Hours: 9
Fine Arts

The B.F.A. is a professional art degree program that provides a more intensive course of study than the traditional B.A. in Art, with a specialization in Studio Art. The degree prepares students for entry into the professional art world and/or graduate school. In the B.F.A. program, students can concentrate in a number of studio areas, including Drawing, Painting, Sculpture, Printmaking, Photography, and Ceramics, as well as New and Mixed Media. There is a separate specialization program for B.F.A. students studying Digital Art.

Program Requirements

After acceptance into the program, all students must complete the minimum of 18 semester hours of studio and/or art history courses. Students must participate in two group critiques and two individual critiques each semester of their junior and senior years, observing on the first group review only. The group reviews are scheduled by the faculty in or around the 6th and 11th weeks of the semester; individual reviews are arranged by students with their faculty committees. Students must participate in a B.F.A. Exit Exhibition in their final semester.

A grade of “C” or better must be earned in all courses that are identified as common prerequisites, major, or major-related. Transfer students may satisfy deficiencies in art requirements through course work at UWF. However, none of the art courses in the General Studies curriculum may be used to satisfy junior/senior requirements. All course choices must have art faculty approval.

In addition to the University’s general requirements, students seeking the B.F.A. must meet the requirements listed below.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements with appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
<th>6</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140 Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences                  | 9 |

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives: 3
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2122 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives: 3
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Current Social Problems

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature: 3
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts: 3
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
Common Prerequisites

Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
<td>1</td>
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<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanoigraphy and Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanoigraphy and Marine Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
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</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
<td>3</td>
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<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
<td>1</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics</td>
<td>3</td>
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<td>PHY 2053L</td>
<td>General Physics Laboratory</td>
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<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
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<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

- May be taken with or without lab.
- General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisite Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Western Survey: Greek to Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey: Baroque to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARHXXXX</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hours: 24

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Recommended for ARTXXXX:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
<td>3</td>
</tr>
</tbody>
</table>

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-6

The following courses are recommended:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 2600C</td>
<td>Introduction to Digital Studio Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Art Specialization

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3590</td>
<td>Perspectives in Ancient and World Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 3213C</td>
<td>Advanced Ideas and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ART 3312C</td>
<td>Drawing III: The Figure</td>
<td>3</td>
</tr>
<tr>
<td>ART 4800</td>
<td>Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>Three 3000/4000 level art history (ARH) courses</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Four 3000/4000 level studio art (ART/PGY) courses</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Four 3000/4000 level studio art (ART/PGY) concentration courses</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Personal Directions Course in Area of Concentration</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>Modern Art 1900-1950</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4470</td>
<td>Art After 1950</td>
<td>3</td>
</tr>
<tr>
<td>If not completed at the lower division:</td>
<td></td>
<td>0-9</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2600C</td>
<td>Introduction to Digital Studio Practice</td>
<td>3</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 51-60

Major-Related

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4651</td>
<td>Aesthetics &amp; Critical Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Philosophy of Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4930</td>
<td>History of Art History Seminar</td>
<td>3</td>
</tr>
<tr>
<td>3000/4000 level Art, Humanities, or advisor-approved electives</td>
<td>0-9</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 3-12
* Number of hours range depends on the completion of recommended courses at the lower level.

**Upper Division Electives**

The remainder of the program will be comprised of electives that students can select without limitation. However, students will be advised to select additional 3000/4000 level courses to total at least 48sh at the 3000/4000 level if necessary. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses.

Total Hours: 0-9

**Digital Art Specialization**

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. Courses in brackets indicate substitutes from Florida public community/junior colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>ART 1300C</td>
<td>Drawing I - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2600C</td>
<td>Introduction to Digital Studio Practice</td>
<td>3</td>
</tr>
<tr>
<td>ART 2484C</td>
<td>Principles of Graphic Art</td>
<td>3</td>
</tr>
<tr>
<td>Two additional introductory media courses</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

The following are recommended:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
<td></td>
</tr>
<tr>
<td>ART 2400C</td>
<td>General Printmaking</td>
<td></td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
<td></td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Photography as Art Form: Basic Camera</td>
<td></td>
</tr>
</tbody>
</table>

*ARH2050 and ARH2051 are common prerequisites which can also be used to satisfy General Studies requirements.

**Lower Division Electives (0-6 hours)**

Sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement. Recommend students take ART2500C, ART2701C, and/or ART2600C.

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3213C</td>
<td>Advanced Ideas and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ART 3613C</td>
<td>Digital Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>ART 4800</td>
<td>Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>Concentration in Digital Media and Graphic Design (Choose 9 courses from list below for 27 semester hours):</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>ART 3618C</td>
<td>Introduction to Web-based Art</td>
<td></td>
</tr>
<tr>
<td>GRA 3202C</td>
<td>Typography</td>
<td></td>
</tr>
<tr>
<td>ART 3630C</td>
<td>Artist’s Video</td>
<td></td>
</tr>
<tr>
<td>ART 4632</td>
<td>Digital Studio Senior Project</td>
<td></td>
</tr>
<tr>
<td>GRA 3102C</td>
<td>Graphic Design Studio I</td>
<td></td>
</tr>
<tr>
<td>GRA 4112C</td>
<td>Graphic Design Studio II</td>
<td></td>
</tr>
<tr>
<td>GRA 4940L</td>
<td>Internship in Graphic Design</td>
<td></td>
</tr>
<tr>
<td>GRA 4950C</td>
<td>Graphic Design Portfolio</td>
<td></td>
</tr>
<tr>
<td>ART 4619C</td>
<td>Advanced Digital Multimedia</td>
<td></td>
</tr>
<tr>
<td>ART 4633C</td>
<td>Advanced Techniques in Interaction Design</td>
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</tr>
<tr>
<td>GRA 4930C</td>
<td>Special Topics in Digital Media Design</td>
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<tr>
<td>Advisor approved elective</td>
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</tbody>
</table>

3000/4000 studio art (ART/PGY) electives. 6

3000/4000 art history (ARH) electives and/or (FIL4036) 9
Health, Leisure, and Exercise Science

The B.S. in Health, Leisure, and Exercise Science prepares students for positions in teaching, the health and fitness industry, leisure services and for graduate study.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. degree in Health, Leisure, and Exercise Science must meet the requirements for each specialization listed below.

Students interested in the Athletic Training program should check the Athletic Training section of this catalog (http://catalog.uwf.edu/undergraduate/athletic-training).

Students in the Exercise Science specialization must complete 42 sh of major core courses and have 18 sh of electives related to the field. The major core courses include an internship in the field.

Students in the Physical Education specialization will complete student teaching or an internship during their senior year. Requirements for admission to the internship are as follows:
- Grade of “C” or higher in all courses used to fulfill major requirements
- At least a 2.50 cumulative GPA in the major
- Recommendations of academic advisor and chairperson of the Health, Leisure, and Exercise Science Department

Students in the Physical Education Teacher Education specialization will complete a student teaching experience during their senior year. Requirements for admission to the student teaching program are as follows:
- Grade of “C” or higher in all major related courses
- 2.50 or greater cumulative GPA
- Passing scores on the Professional Education Test, General Knowledge Exam, and the Physical Education Subject Area test of the Florida Teacher Certification Exam
- Completion of 100 service hours approved by the Physical Education Teacher Education Program committee
- Approval by the Physical Education Teacher Education Program Committee

Students in the Sport Management specialization will complete an internship in the field. Requirements for admission to the internship program are as follows:
- Grade of “C-” or higher in all courses used to fulfill major requirements;
- At least a 2.50 cumulative GPA in the major;
- No more than 9 sh remaining to completion of all major courses and major related courses excluding the 6 sh internship
- Completion of SPM 4003 - Sport Management Careers Seminar; and
- Recommendations of academic advisors and chairperson of the Health, Leisure, and Exercise Science Department.

No more than 24% of the program requirements for the degree may be taken in traditional business subjects.

Exercise Science Specialization

The Exercise Science Specialization is designed for students interested in pursuing a career in the fitness industry, cardiac rehabilitation, and other clinical fields, and graduate school. The program has specific courses (PET 4380 Exercise Testing and Prescription, PET 4383C Physiological Basis of Strength Development) that prepare students for certifications such as the ACSM Health and Fitness Specialists and the NSCA Certified Strength and Conditioning Specialists. The course work precedes an internship that allows students to receive valuable work experience just prior to graduating. The American College of Sports Medicine (ACSM) has endorsed the curricula for the University of West Florida’s undergraduate Exercise Science specialization. The curriculum covers the knowledge, skills, and abilities expected of an ACSM Health/Fitness Instructor.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements.

With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>
Choose one course from each of the following clusters of courses

**Social Sciences: Historical Perspectives:**
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Choose one course from each of the following clusters of courses

**Social Sciences: Behavioral Perspectives:**
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

**Social Sciences: Socio-Political Perspectives:**
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Understanding Relationships in the 21st Century

**Humanities**
Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

**Fine Arts:**
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUI 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

Take two of the following courses, including at least one with lab:

- ANT 2511 Biological Anthropology
- ANT 2511L Biological Anthropology Lab
- AST 3033 Modern Astronomy
- BOT 2010 General Botany (+Lab)
- BSC 2005 General Biology for Non-Majors
- BSC 2005L General Biology Laboratory for Non-Majors
- BSC 1050 Fundamentals of Ecology
- BSC 1085 Anatomy and Physiology I
- BSC 1085L Anatomy and Physiology I Laboratory
- BSC 1086 Anatomy and Physiology II
- BSC 1086L Anatomy & Physiology II Laboratory
- BSC 2311 Introduction to Oceanography and Marine Biology
- BSC 2311L Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060 Excursions in Computing
- CGS 2060L Excursions in Computing Lab
- CHM 1020 Concepts in Chemistry
- CHM 1020L Concepts in Chemistry Lab
- CHM 1032 Fundamentals of General Chemistry
- CHM 1032L Fundamentals of General Chemistry Laboratory
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Laboratory
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Laboratory
- GEO 1200 Physical Geography (+Lab)
- GEO 2330 Environmental Science
- GLY 2010 Physical Geography
- GLY 2010L Physical Geology Laboratory
- MCB 1000 Fundamentals of Microbiology
- MCB 1000L Fundamentals of Microbiology Laboratory
- PHY 1020 Introduction to Concepts in Physics
- PHY 1020L Introduction to Concepts in Physics Laboratory
- PHY 2048 University Physics I
- PHY 2048L University Physics I Lab
- PHY 2049 University Physics II
- PHY 2049L University Physics II Lab
- PHY 2053 General Physics I
- PHY 2053L General Physics I Laboratory
- PHY 2054 General Physics II
- PHY 2054L General Physics II Laboratory
- PHY 2055L General Physics II Laboratory
- PHY 2055L General Physics II Laboratory
- PHY 2055L General Physics II Laboratory
- PHY 2055L General Physics II Laboratory
- ZOO 1010 General Zoology (+Lab)
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

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* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives
Students must complete sufficient 1000/2000 level electives to satisfy at least 60 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Total Hours 0-16</th>
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<tbody>
<tr>
<td>Recommended PET 2622 Advanced Prevention and Care of Injuries in Health, Leisure, and Sports or PET 2824 Analysis of Team Sports be taken at the lower division.</td>
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Major-Related

Choose one of the following: 18

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* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives
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Major

APK 3110+L Exercise Physiology (+Lab) | 4 |
HLP 3510 Measurement and Evaluation in Health, Leisure, and Sports | 3 |
PEP 4113 Aging and Physical Performance | 3 |
PET 2622 Advanced Prevention and Care of Injuries in Health, Leisure, and Sports | 3 |
PET 4061 Motor Development and Skill Learning | 3 |
PET 4213 Success in Sports | 3 |
PET 4310C Mechanics of Human Motion | 4 |
PET 4361 Sport Nutrition and Weight Control | 3 |
PET 4380L Exercise Testing and Prescription (+Lab) | 4 |
PET 4383C Physiological Basis of Strength Development | 3 |
PET 4691 Exercise Testing for Special Populations | 3 |
Choose one of the following: 6 |
HLP 4940 Internship | 3 |
HLP 4941C Senior Capstone Experience in Exercise Science | 3 |

Total Hours: 42

Physical Education Specialization

Physical Education specialization prepares students to seek employment in the coaching, sport, and fitness industry outside of the K-12 school setting. This program may meet the requirements for Florida temporary certification. Additional requirements would subsequently be necessary to obtain a professional certificate. Students are advised that this program may not be accepted for certification in other states because it is not a state approved program.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:
#### Undergraduate Degrees and Areas of Specialization

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<td>Social Sciences: Historical Perspectives:</td>
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<td>PSY 2012 General Psychology</td>
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<td>CPO 2002 Comparative Politics</td>
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<td>PLA 2013 Survey of American Law</td>
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<td>SYG 2000 Introduction to Sociology</td>
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<td>SYG 2010 Current Social Problems</td>
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<table>
<thead>
<tr>
<th>Humanities</th>
<th>8-9</th>
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</table>

| Choose one course from each of the following clusters of courses |
| Literature: | 3 |
| AML 2072 Sex, Money, and Power in American Literature |
| IDH 1040 Honors Core 1 |
| LIT 2030 Introduction to Poetry |
| LIT 2040 Introduction to Drama |
| LIT 1122 Great Books I |
| LIT 2100 Introduction to Literature |
| Fine Arts: | 3 |
| ARH 1010 Introduction to Art History |
| ARH 2050 Western Survey I: Greek to Renaissance |
| ARH 2051 Western Survey II: Baroque to Contemporary |
| ART 1015 Exploring Artistic Vision |
| ART 2821 Art and Visual Culture Today |
| MUH 2930 The Music Experience: Special Topics |
| MUL 2110 Music in Western Civilization |
| THE 2000 The Theatre Experience |
| THE 2300 Survey of Dramatic Literature |
| Contemporary Values and Expressions: | 3 |
| PHI 2010 Introduction to Philosophy |
| PHI 2100 Introduction to Logic |
| PHI 2103 Critical Thinking |
| PHI 2603 Ethics in Contemporary Society |
| REL 1300 Introduction to World Religions |
| SPC 2608 Basic Communication Skills |

| Natural Sciences | 7 |
Take two of the following courses, including at least one with lab:

- **ANT 2511**: Biological Anthropology 3
- **ANT 2511L**: Biological Anthropology Lab 1
- **AST 3033**: Modern Astronomy 3
- **BOT 2010+L**: General Botany (+Lab) 4
- **BSC 1005**: General Biology for Non-Majors * 3
- **BSC 1005L**: General Biology Laboratory for Non-Majors 1
- **BSC 1050**: Fundamentals of Ecology 3
- **BSC 1085**: Anatomy and Physiology I * 3
- **BSC 1085L**: Anatomy and Physiology I Laboratory 1
- **BSC 1086**: Anatomy and Physiology II 3
- **BSC 1086L**: Anatomy & Physiology II Laboratory 1
- **BSC 2311**: Introduction to Oceanography and Marine Biology * 3
- **BSC 2311L**: Introduction to Oceanography and Marine Biology Laboratory 1
- **CGS 2060**: Excursions in Computing 3
- **CGS 2060L**: Excursions in Computing Lab 1
- **CHM 1020**: Concepts in Chemistry * 3
- **CHM 1020L**: Concepts in Chemistry Lab 1
- **CHM 1032**: Fundamentals of General Chemistry * 3
- **CHM 1032L**: Fundamentals of General Chemistry Laboratory 1
- **CHM 2045**: General Chemistry I * 3
- **CHM 2045L**: General Chemistry I Laboratory 1
- **CHM 2046**: General Chemistry II * 3
- **CHM 2046L**: General Chemistry II Laboratory * 1
- **GEO 1200+L**: Physical Geography (+Lab) 4
- **GEO 2330**: Environmental Science 3
- **GLY 2010**: Physical Geology * 3
- **GLY 2010L**: Physical Geology Laboratory 1
- **MCB 1000**: Fundamentals of Microbiology * 3
- **MCB 1000L**: Fundamentals of Microbiology Laboratory 1
- **PHY 1020**: Introduction to Concepts in Physics * 3
- **PHY 1020L**: Introduction to Concepts in Physics Laboratory 1
- **PHY 2048**: University Physics I ** 3
- **PHY 2048L**: University Physics I Lab 1
- **PHY 2049**: University Physics II ** 3
- **PHY 2049L**: University Physics II LAB 1
- **PHY 2053**: General Physics I * 3
- **PHY 2053L**: General Physics I Laboratory 1
- **PHY 2054**: General Physics II * 3
- **PHY 2054L**: General Physics II Laboratory 1
- **PHZ 1450**: Exotic Physics 3
- **ZOO 1010+L**: General Zoology (+Lab) 4

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Physical Education majors should take BSC 1085 Anatomy and Physiology I/BSC 1085L Anatomy and Physiology I Laboratory to fulfill the laboratory science component.

### Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/ Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

In addition to EDF 2085 Teaching Diverse Populations, a minimum of 6sh with an international or diversity focus is required. Eligible courses will be determined by the Florida public college or university where the student is currently earning the A.A. or B.S. foreign language courses may be used to meet this requirement. The courses in brackets indicate substitutes for Florida public colleges and universities.

- **EDF 1005**: Introduction to Education 3
- **EDF 2085**: Teaching Diverse Populations 3
- **EME 2040**: Introduction to Educational Technology 3
- **BSC 1085**: Anatomy and Physiology I * 6
- **BSC 1086**: Anatomy and Physiology II * 6

4 credit hours in Skill Development Courses in Physical Activities 4

Total Hours: 36-37

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 4-8

### Major

- **APK 3110-L**: Exercise Physiology (+Lab) 4
- **HLP 3300**: Organization and Administration of Professional Programs 3
- **HLP 3510**: Measurement and Evaluation in Health, Leisure, and Sports 3
- **HSC 3406C**: Advanced First Aid and Emergency Care 3
- **PEP 2500**: Non-Traditional Sports 3
- **PET 3020**: Foundations of Physical Education and Sport Management 3
- **PET 3640**: Adapted Physical Education and Sport 3
- **PET 3825**: Educational Gymnastics and Dance 3
- **PET 4310C**: Mechanics of Human Motion 4
- **PET 4442**: Physical Education in the High School 2
- **PET 4710**: Special Methods in Physical Education 3
- **PET 4720**: Physical Education in the Elementary School 2
- **PET 4730**: Physical Education in the Middle School 2
- **PET 4765**: Theory and Practice of Coaching 3
- **PET 4926**: Practicum I. Elementary School Physical Education 1
- **PET 4927**: Practicum II. Middle School Physical Education 1
- **PET 4928**: Practicum III. High School Physical Education 1

Total Hours: 44

### Major-Related

- **EDF 3234**: Applied Foundations of Education 3
- **EDG 3323C**: General Methods for Teaching K-12 Students 3
- **PET 4744**: Student Teaching in Physical Education 6-9 or HLP 4940: Internship 12-15

### Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 4
Physical Education Teacher Education Specialization

Students interested in becoming certified Physical Education teachers in grades K-12 will be able to do so by enrolling in the Physical Education Teacher Education Specialization. The Physical Education Teacher Education specialization is a Florida Department of Education approved program and is part of the CAEP accredited Professional Education Unit.

In addition to the university’s general requirements, students seeking the B.S. in the HLES/Physical Education Teacher Education specialization must have a cumulative GPA of 2.50 or greater in all previously attempted college work and have passing scores on the General Knowledge test of the Florida Certification Exam.

For admission to student teaching, students must meet the requirements listed below:

- Grade of “C” or higher in all major related courses
- 2.50 or greater cumulative GPA
- Passing scores on the Professional Education Test, General Knowledge Exam, and the Physical Education Subject Area test of the Florida Teacher Certification Exam
- Completion of 100 service hours approved by the Physical Education Teacher Education Program committee
- Approval by the Physical Education Teacher Education Program Committee

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

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<tr>
<td>STA 2023 Elements of Statistics</td>
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</tbody>
</table>

Social Sciences 9

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Current Social Problems

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature:
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
Take two of the following courses, including at least one with lab:

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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
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<tr>
<td>PHY 2053L</td>
<td>General Physics I Lab</td>
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<tr>
<td>PHY 2054</td>
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<tr>
<td>PHY 2054L</td>
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<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
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<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
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</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Physical Education majors should take BSC 1085 Anatomy and Physiology I/BSC 1085L Anatomy and Physiology I Laboratory to fulfill the laboratory science component.

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology I (+Lab) *</td>
<td>4</td>
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<tr>
<td>EDF 1005</td>
<td>Introduction to Education</td>
<td>3</td>
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<tr>
<td>EDF 2085</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
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<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>PET 2624</td>
<td>Analysis of Team Sports</td>
<td>3</td>
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<tr>
<td>PEO 2031</td>
<td>Analysis of Individual Sports</td>
<td>3</td>
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<tr>
<td>PEM XXXX</td>
<td>- Skill Development Courses in Physical Activities</td>
<td>2-3</td>
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<tr>
<td>PET 2622</td>
<td>Advanced Prevention and Care of Injuries in Health, Leisure, and Sports</td>
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</table>

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Major

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>APK 3110+L</td>
<td>Exercise Physiology (+Lab)</td>
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<td>HLP 3300</td>
<td>Organization and Administration of Professional Programs</td>
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<td>HLP 3510</td>
<td>Measurement and Evaluation in Health, Leisure, and Sports</td>
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<td>HSC 3406C</td>
<td>Advanced First Aid and Emergency Care</td>
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<td>PEP 2500</td>
<td>Non-Traditional Sports</td>
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<td>PET 3020</td>
<td>Foundations of Physical Education and Sport Management</td>
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<td>PET 3640</td>
<td>Adapted Physical Education and Sport</td>
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<td>PET 3825</td>
<td>Educational Gymnastics and Dance</td>
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<td>PET 4310C</td>
<td>Mechanics of Human Motion</td>
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<td>PET 4442</td>
<td>Physical Education in the High School</td>
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<td>PET 4710</td>
<td>Special Methods in Physical Education</td>
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<td>PET 4720</td>
<td>Physical Education in the Elementary School</td>
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<td>PET 4730</td>
<td>Physical Education in the Middle School</td>
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<td>PET 4744</td>
<td>Student Teaching in Physical Education</td>
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<td>PET 4765</td>
<td>Theory and Practice of Coaching</td>
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<td>PET 4926</td>
<td>Practicum I: Elementary School Physical Education</td>
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<td>PET 4927</td>
<td>Practicum II: Middle School Physical Education</td>
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<td>Practicum III: High School Physical Education</td>
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Total Hours: 50-54

Major-Related

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<td>Applied Foundations of Education</td>
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<tr>
<td>EDG 3323C</td>
<td>General Methods for Teaching K-12 Students</td>
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<tr>
<td>RED 3324</td>
<td>Reading/ESOL Methods and Instruction</td>
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Total Hours: 9

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours: 0-1

Sport Management Specialization

The Sport Management specialization prepares students for entry level careers as potential leaders and administrators in the sports industry and for further study in graduate school. Possible positions may be found in collegiate athletics, municipal park and recreation departments, community sports programs, professional sports leagues, amateur sports organizations, and commercial sports industries such as fitness and activity centers, sports camps, and other private sports organizations. An internship in the field is a capstone experience for students in this specialization.
Students in Sport Management must complete 42 sh of major core courses and complete 18 sh major related courses. The major core courses include a 6 sh internship in the field.

Requirements for admission to the internship program are as follows:

- Grade of “C-” or higher in all courses used to fulfill major requirements;
- At least a 2.50 cumulative GPA in the major;
- No more than 9 sh remaining to completion of all major courses and major related courses excluding the 6 sh internship;
- Completion of SPM 4003 - Sport Management Careers Seminar; and
- Recommendations of academic advisors and chairperson of the Health, Leisure, and Exercise Science Department.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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<tr>
<td>Mathematics</td>
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<td>MAC 1105 College Algebra 3</td>
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<td>MAC 1114 Trigonometry 3</td>
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<td></td>
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<td>MAC 1140 Precalculus Algebra 3</td>
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<td></td>
<td>MAC 2233 Calculus with Business Applications 3</td>
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<td></td>
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<td>MAC 2311 Analytic Geometry and Calculus I 4</td>
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<td>MAC 2312 Analytic Geometry and Calculus II 4</td>
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<td>MGF 1106 Mathematics for Liberal Arts I 3</td>
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<td>MGF 1107 Mathematics for Liberal Arts II 3</td>
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<td>STA 2023 Elements of Statistics 3</td>
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<tr>
<td>Social Sciences</td>
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</table>

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities

<table>
<thead>
<tr>
<th>Category</th>
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<tr>
<td>Literature</td>
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<td>AML 2072 Sex, Money, and Power in American Literature 3</td>
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<td>IDH 1040 Honors Core 1</td>
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<td>Fine Arts</td>
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<td>LIT 2030 Introduction to Poetry</td>
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<td>LIT 2040 Introduction to Drama</td>
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<td></td>
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<td>LIT 1122 Great Books I</td>
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<td>Fine Arts</td>
<td>3</td>
<td>LIT 2100 Introduction to Literature</td>
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<td></td>
<td></td>
<td>ARN 1010 Introduction to Art History</td>
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<td>Fine Arts</td>
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<td>ARN 2050 Western Survey I: Greek to Renaissance</td>
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<td>ARN 2051 Western Survey II: Baroque to Contemporary</td>
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<td>ART 1015C Exploring Artistic Vision</td>
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<td>Fine Arts</td>
<td>3</td>
<td>ART 2821 Art and Visual Culture Today</td>
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<tr>
<td>Fine Arts</td>
<td>3</td>
<td>MUH 2930 The Music Experience: Special Topics</td>
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<td>Fine Arts</td>
<td>3</td>
<td>MUL 2110 Music in Western Civilization</td>
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<tr>
<td>Fine Arts</td>
<td>3</td>
<td>THE 2000 The Theatre Experience</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
<td>THE 2300 Survey of Dramatic Literature</td>
</tr>
</tbody>
</table>

Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences

7
Take two of the following courses, including at least one with lab:

**ANT 2511** Biological Anthropology 3
**ANT 2511L** Biological Anthropology Lab 1
**AST 3033** Modern Astronomy 3
**BOT 2010+L** General Botany (+Lab) 4
**BSC 1005** General Biology for Non-Majors * 3
**BSC 1005L** General Biology Laboratory for Non-Majors 1
**BSC 1050** Fundamentals of Ecology 3
**BSC 1085** Anatomy and Physiology I * 3
**BSC 1085L** Anatomy and Physiology I Laboratory 1
**BSC 1086** Anatomy and Physiology II * 3
**BSC 1086L** Anatomy & Physiology II Laboratory 1
**BSC 2311** Introduction to Oceanography and Marine Biology * 3
**BSC 2311L** Introduction to Oceanography and Marine Biology Laboratory 1
**CGS 2060** Excursions in Computing 3
**CGS 2060L** Excursions in Computing Lab 1
**CHM 1020** Concepts in Chemistry * 3
**CHM 1020L** Concepts in Chemistry Lab 1
**CHM 1032** Fundamentals of General Chemistry * 3
**CHM 1032L** Fundamentals of General Chemistry Laboratory 1
**CHM 2045** General Chemistry I * 3
**CHM 2045L** General Chemistry I Laboratory 1
**CHM 2046** General Chemistry II * 3
**CHM 2046L** General Chemistry II Laboratory * 1
**GEO 1200+L** Physical Geography (+Lab) 4
**GEO 2330** Environmental Science 3
**GLY 2010** Physical Geology * 3
**GLY 2010L** Physical Geology Laboratory 1
**MB 1000** Fundamentals of Microbiology * 3
**MCB 1000L** Fundamentals of Microbiology Laboratory 1
**PHY 1020** Introduction to Concepts in Physics * 3
**PHY 1020L** Introduction to Concepts in Physics Laboratory 1
**PHY 2048** University Physics I ** 3
**PHY 2048L** University Physics I Lab 1
**PHY 2049** University Physics II ** 3
**PHY 2049L** University Physics II LAB 1
**PHY 2053** General Physics I * 3
**PHY 2053L** General Physics I Laboratory 1
**PHY 2054** General Physics II * 3
**PHY 2054L** General Physics II Laboratory 1
**PHZ 1450** Exotic Physics 3
**ZOO 1010+L** General Zoology (+Lab) 4

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Sport Management majors should take the following to satisfy components of General Studies:

**Social Science/Behavioral Perspective:**

**PSY 2012** General Psychology 3
or **DEP 2004** Human Development Across the Lifespan

**Mathematics:**

**STA 2023** Elements of Statistics 6

**MAC 1105** College Algebra 3

**Philosophy:**

**PHI 2100** Introduction to Logic 3
or **SPC 2608** Basic Communication Skills 3

**Natural Sciences:**

**BSC 1085+L** Anatomy and Physiology I (+Lab) 4
**BSC 1086+L** Anatomy and Physiology II (+Lab) 4

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

**BSC 1085+L** Anatomy and Physiology I (+Lab) * 4
**PET 2622** Advanced Prevention and Care of Injuries in Health, Leisure, and Sports 3

Choose one:

**FIN XXXX** Courses with a finance emphasis 3
**MAR XXXX** Courses with a marketing emphasis 3
**GEB XXXX** Courses with a general business emphasis * 3

Choose one:

**MAN XXXX** Courses with a management emphasis 3
**BUL XXXX** Courses with a business law emphasis 3
**CGS XXXX** Courses with a general computer emphasis 3
**STA XXXX** Courses with a statistics emphasis 3
**AGC XXXX** Courses with a general accounting emphasis 3
**REE XXXX** Courses with a real estate emphasis 3

Choose one:

**HFT XXXX** Courses with a hospitality management emphasis 3
**ECO XXXX** Courses with an economics emphasis * 3
**SDS XXXX** Courses with a student development emphasis 3
**COM XXXX** Courses with a communication emphasis 3

Total Hours 16

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to complete at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement. Economics majors should include electives that will help to prepare them for potential minor programs of study. Students should consult their academic advisor for guidance in course selection.

Total Hours 0-9

**Major**

**HFT 3221** Human Resources in Hospitality, Recreation, and Resorts 3
**HLP 3300** Organization and Administration of Professional Programs 3
**HLP 4940** Internship 6
**PET 4251** Sociology of Sport 3
**SPM 3004** Introduction to Contemporary Sport Management 3
**SPM 3104** Sport Facility and Event Management 3
**SPM 3306** Sports Marketing 3
**SPM 3403** Sport Media 3
**SPM 4003** Sport Management Careers Seminar 3
**SPM 4503** Economic Issues in Sport 3
**SPM 4505** Principles and Issues in Sport Finance 3
### Undergraduate Degrees and Areas of Specialization

**SPM 4604**  Governance in Sport  3  
**SPM 4723**  Sport Law and Risk Management  3  
**Total Hours**  42  

**Major-Related**

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<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
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<tr>
<td>COM 4110</td>
<td>Business and Professional Communication</td>
<td>3</td>
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<td>MAN 3025</td>
<td>Management Fundamentals</td>
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<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
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<td>PSY 4832</td>
<td>Sport and Exercise Psychology</td>
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<td>ADV 3000</td>
<td>Introduction to Advertising</td>
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<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy (If ECO2013 not completed as part of common prerequisites)</td>
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<td>MAN 3240</td>
<td>Behavior in Organizations</td>
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<td>PUR 3000</td>
<td>Principles of Public Relations</td>
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**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Total Hours</strong></td>
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Health Sciences

The B.S. in Health Sciences is an interdisciplinary program designed for health care personnel who are graduates of accredited A.A., A.S., or A.A.S. degree programs or students without an associate’s degree. It is proposed in direct response to a strong need for a B.S. degree in the health sciences for students who have earned the aforementioned degrees and for the large pool of health care workers with similar degrees who need a bachelor’s degree for advancement in their current positions or in related areas in health care. It allows eligible students to build upon their previous education and training, receive credit for their prior education, and complete requirements for the B.S. degree in health sciences with specialization in one health-related area.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Health Sciences must meet the requirements listed below.

This degree plan is designed as a two-year program for students with an A.A., A.S., or A.A.S. degree (or equivalent course work for students without an associate’s degree) from a regionally accredited institution or from an accredited out-of-state college or university. In order to graduate, all students must complete at least 120 semester hours with a minimum of 48 specified upper-division hours (3000/4000 level) at UWF. A grade of “C” or higher is required in all common prerequisite courses and major courses.

No more than 24% of the program requirements for this degree may be in traditional business subjects.

Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements.

With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

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<td>Trigonometry</td>
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<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td></td>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>Natural Sciences</td>
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Choose one course from each of the following clusters of courses:

Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2102 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities

Choose one course from each of the following clusters of courses:

Literature:
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

University of West Florida
Studies:

Students should take the following to satisfy components of General Studies:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005L</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology Laboratory for Non-Majors</td>
<td>1</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005L</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>AST 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1005+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HSC 3034</td>
<td>Advances in Health Sciences Technology</td>
<td>3</td>
</tr>
<tr>
<td>BUL 4602</td>
<td>Legal Fundamentals of Healthcare and Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4431</td>
<td>Business Analysis and Decision Making in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3535</td>
<td>Introduction to Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4192</td>
<td>Introduction to Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4193</td>
<td>Electronic Clinical Record Systems</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4050</td>
<td>Health Sciences Research Seminar</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
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</table>

**Aging Studies Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005+L</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Major-Related**

Students will concentrate their major-related work in one of the following areas of emphasis. Students will speak with an academic advisor to discuss prerequisites and possible transfer courses which may meet prerequisite requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005+L</td>
<td>General Biology for Non-Majors</td>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**

- 16

**Dimensions of Death and Dying: Special Issues**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**

- 18

- 30

**Total Hours**

- 42

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37
Allied Health Specialization

PCB 4703  Human Physiology  3
GEY 4001  Gerontology  3
HSC 4551  Communicable and Degenerative Diseases  3
HSC 4658  End-of-Life Ethics  3
NUR 4177  Holistic Healthcare  3
NSP 4545  Drugs and the Human Body  3
HSC 3555  Pathophysiology  3
PHC 4101  Public Health  3
HSC 4404  Medical Disaster Management  3
NUR 3145  Pharmacology  3
PHC 4363  Occupational Safety and Health in the Health Care Environment  3

Advisor approved electives  9
Total Hours  42

Health Care Administration Specialization

Choose one  3

GEB 3032  Business Foundations for Non-Business Majors  3
PHC 4101  Public Health  3
HSA 4110  Health Care Policy and Administration  3
MAN 3025  Management Fundamentals  3

Choose one  3

MAN 3301  Human Resources Management  3
PHC 4341  Fundamentals of Occupational Safety and Health  3

Choose one  3

MAN 4102  Management of Diversity  3
HSA 4192  Introduction to Medical Informatics  3
MAR 3023  Marketing Fundamentals  3

Advisor approved electives (no more than 24% of the program requirements for this degree may be in traditional business subjects)  24
Total Hours  42

Health Care Professional Specialization

Students in this specialization must have earned an A.S. degree in an appropriate health care area.

ACG 3082  Accounting for Non-Majors  3
ECO 3003  Principles of Economic Theory and Public Policy  3
ENC 3250  Professional Writing  3

Choose one of the following:  3

PCB 4703  Human Physiology  3
HSC 3555  Pathophysiology  3
GEY 4001  Gerontology  3
HSC 4658  End-of-Life Ethics  3
HSC 4404  Medical Disaster Management  3
PHC 4363  Occupational Safety and Health in the Health Care Environment  3
NUR 3145  Pharmacology  3
NUR 4177  Holistic Healthcare  3

Advisor approved electives  12
Total Hours  42

Medical Information Technology Specialization

CGS 3464  Programming Using Visual Basic for Non-Majors  3
COP 2253  Programming Using Java  3
COP 3813  Internet Programming  3
COP 4710  Database Systems  3
CGS 3604  Applications of Information Technology  3
CEN 3031  Software Engineering I  3
HSA 4192  Introduction to Medical Informatics  3
HSA 4193  Electronic Clinical Record Systems  3

Choose two of the following:  6

CGS 3183  Web Design for E-Commerce  3
CEN 4721  Human-Computer Interaction  3
COP 2830  Script Programming  3

Advisor approved electives  12
Total Hours  42

Psychology of Health Specialization

CLP 4314  Health Psychology  3
EAB 4704  Introduction to Behavior Modification  3
PSB 4002  Brain, Behavior, and Experience  3

Choose three of the following:  9

CLP 3144  Abnormal Psychology  3
DEP 4404  Adulthood and Aging  3
PCO 4310  Intervention in Addictions  3
PSB 4731  Psychobiology of Sexual Behavior  3
PSY 4832  Sport and Exercise Psychology  3

Advisor approved electives  24
Total Hours  42

Public Health Specialization

PHC 4101  Public Health  3
HSC 4404  Medical Disaster Management  3
MCB 4276  Epidemiology of Infectious Disease  3
PHC 4109  Scientific Basis of Public Health  3
PHC 4140  Public Health Planning and Analysis  3

Choose one of the following:  3

PHC 4340  Fundamentals of Industrial Hygiene  3
PHC 4341  Fundamentals of Occupational Safety and Health  3
PHC 4363  Occupational Safety and Health in the Health Care Environment  3

Advisor approved electives  24
Total Hours  42

Advisor-approved Electives

Students should discuss their career plans with an academic advisor and choose additional courses to support their career goals. Students are recommended to consider electives which are included in certificates. Recommended courses may include the following:

GEY 4001  Gerontology  3
HSA 4110  Health Care Policy and Administration  3
BSC 4854  Bioterrorism  3
PHC 4140  Public Health Planning and Analysis  3
HSC 4404  Medical Disaster Management  3
PCE 4703  Human Physiology  3
ECO 3003  Principles of Economic Theory and Public Policy  3
HSC 3555  Pathophysiology  3
HSA 4192  Introduction to Medical Informatics  3
HSA 4193  Electronic Clinical Record Systems  3
HSC 4658  End-of-Life Ethics  3
MCB 4276  Epidemiology of Infectious Disease  3
PHC 4101  Public Health  3
PHC 4109  Scientific Basis of Public Health  3
PHC 4340  Fundamentals of Industrial Hygiene  3
PHC 4341  Fundamentals of Occupational Safety and Health  3
PHC 4363  Occupational Safety and Health in the Health Care Environment  3
Certificates

Medical Informatics Certificates

Department: School of Allied Health and Life Sciences

Method of Instruction: Online

Semester Hours: 12

Medical Informatics can be broadly defined as the use of computer technology to support clinical practice, administration, education and research. The products developed in this field, "information resources", involve the hardware and software that facilitates the storage, retrieval, and optimal use of medical information for problem-solving and decision-making.

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4XXX</td>
<td>Advanced Topics in Health Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4192</td>
<td>Introduction to Medical Informatics</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4193</td>
<td>Electronic Clinical Record Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Public Health: Occupational Safety and Health Certificate

Department: School of Allied Health and Life Sciences

Method of Instruction: Online

Semester Hours: 9

This certificate program was designed to meet the needs of public health practitioners who have collateral responsibility for worker safety and health as well as those assigned primary responsibility. Completion of this certificate provides the student a broad-based foundation in occupational safety and health that enhances recognition, evaluation ad control of workplace hazards. Occupational safety and health management tools and skills are identified and explored that can be implemented in the public practice health practitioner’s work environment to bring about improvements in worker safety and health.

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 4341</td>
<td>Fundamentals of Occupational Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4340</td>
<td>Fundamentals of Industrial Hygiene</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4363</td>
<td>Occupational Safety and Health in the Health Care Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 9

Public Health: Readiness and Response Certificate

Department: School of Allied Health and Life Sciences

Method of Instruction: Online

Semester Hours: 9

Bioterrorism covers the potential for bio-warfare/bioterrorist acts, how destruction is produced, and what countries/groups have access to sufficient bio-agent or the capacity for producing large quantities of biological agents for use as a weapon. Public Health is a survey course introducing students to the field and allowing them the opportunity to learn about the complexities of a public health practitioner.

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 4854</td>
<td>Bioterrorism</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4404</td>
<td>Medical Disaster Management</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4101</td>
<td>Public Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 9
History

The B.A. in History is designed to provide students with the skills necessary to research and interpret the past. Emphasis is placed upon active participation in the creative process of historical inquiry. The department offers two specializations: History (a generalist degree) and Pre-Law.

Students planning to go to graduate school are strongly advised to attain proficiency in foreign languages.

Students interested in obtaining certification to teach this subject area in secondary education need to contact an advisor in this department to carefully plan the course work to satisfy degree and some teacher certification requirements. A degree in this major is required for participation in teacher education certification options.

Program Requirements

In addition to general University requirements, students seeking the B.A. in History must meet the requirements listed below.

A minimum grade of "C" is required in all major courses. All graduating seniors are required to complete the History Capstone Experience, which produces a student-assembled, student-maintained portfolio of assignments completed in an upper-level history course. Contact the department for the requirements and conditions of this capstone.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
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</table>

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>6</th>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
</tbody>
</table>

| Social Sciences | 9 |

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CJJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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</tbody>
</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
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<tr>
<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
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</table>

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature:

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<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
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<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
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<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
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Fine Arts:

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<tr>
<th>Course Code</th>
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<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
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<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<td>ARH 2051</td>
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<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
</tbody>
</table>

Contemporary Values and Expressions:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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Natural Sciences 7
Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
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<tr>
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<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
<td>3</td>
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<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
<td>3</td>
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<tr>
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<td>Concepts in Chemistry Lab</td>
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<td>Fundamentals of General Chemistry *</td>
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<td>GEO 2330</td>
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<td>GLY 2010</td>
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<tr>
<td>GLY 2010L</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<tr>
<td>MCB 1000L</td>
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</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics *</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
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<td>PHY 2048L</td>
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<td>PHY 2049</td>
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<td>University Physics II LAB</td>
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<td>PHY 2053</td>
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<td>PHY 2053L</td>
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<td>PHY 2054</td>
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<td>PHZ 1450</td>
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<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
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</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/ Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Two lower division courses in history with AMH, EUH, LAH, ASH, HIS, or WOH prefixes. Choosing two from the following list is highly recommended:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
</tr>
</tbody>
</table>

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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History Specialization

Major

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
</tr>
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</table>

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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</tbody>
</table>

Pre-Law Specialization

Pre-Law is offered in conjunction with the Political Science Department and Legal Studies Program and includes courses in legal research and writing, legal studies, and skill development in logic, ethics, presentation development, and communication.

Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
</tbody>
</table>
Choose one of the following:  
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 4541</td>
<td>The Scottish Enlightenment</td>
<td>3</td>
</tr>
<tr>
<td>EUH 4545</td>
<td>British Political Thought in the Early Modern Era</td>
<td>3</td>
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</tbody>
</table>

**Total Hours**: 3

**Major-Related**

Students should choose the designated number of hours from each cluster of courses. Note that students must choose at least one course with a POS prefix from the Political Science and Criminal Justice cluster.

**Political Science and Criminal Justice (two of the following):** 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CCJ 3014</td>
<td>Criminology</td>
</tr>
<tr>
<td>CCJ 3024</td>
<td>American Justice System</td>
</tr>
<tr>
<td>CCJ 3060</td>
<td>Ethics and the Justice System</td>
</tr>
<tr>
<td>CCJ 3450</td>
<td>Criminal Justice Management and Organization</td>
</tr>
<tr>
<td>CCJ 3666</td>
<td>Victimology</td>
</tr>
<tr>
<td>CCJ 3678</td>
<td>Race, Gender, Ethnicity, and Crime</td>
</tr>
<tr>
<td>CCJ 4036</td>
<td>Behavioral Science and the Law</td>
</tr>
<tr>
<td>CJJ 4010</td>
<td>Juvenile Justice</td>
</tr>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
</tr>
<tr>
<td>CUL 3510</td>
<td>Judicial Process</td>
</tr>
<tr>
<td>or POS 3283</td>
<td>Judicial Process</td>
</tr>
<tr>
<td>POS 3625</td>
<td>First Amendment Freedoms</td>
</tr>
<tr>
<td>POS 4673</td>
<td>Jurisprudence</td>
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**Professional and Legal Studies (two of the following):** 6

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<th>Course</th>
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<tr>
<td>EVR 4035</td>
<td>Environmental Law</td>
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<tr>
<td>MMC 4201</td>
<td>The Constitution and the Press</td>
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<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
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<tr>
<td>PLA 3240</td>
<td>Alternative Dispute Resolution</td>
</tr>
<tr>
<td>PLA 3429</td>
<td>Contracts and Business Entities</td>
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<tr>
<td>PLA 3471</td>
<td>Employment Law</td>
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<tr>
<td>PLA 3806</td>
<td>Family Law</td>
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<td>PLA 4025</td>
<td>Sex Discrimination Law</td>
</tr>
<tr>
<td>PLA 4263</td>
<td>Evidence</td>
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<td>PLA 4277</td>
<td>Tort Law</td>
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<tr>
<td>PLA 4306</td>
<td>Criminal Law</td>
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<tr>
<td>PLA 4309</td>
<td>Criminal Procedure</td>
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<tr>
<td>PLA 4685</td>
<td>Constitutional Law for the Paralegal</td>
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**Related Fields and Skill Development (one of the following):** 3

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<td>Forensic Anthropology</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>BUL 4062</td>
<td>Legal Fundamentals of Healthcare and Public Health</td>
</tr>
<tr>
<td>PHI 3130</td>
<td>Modern Logic</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>PHI 3670</td>
<td>Ethics</td>
</tr>
<tr>
<td>PHI 4633</td>
<td>Biomedical Ethics</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>SPC 4513</td>
<td>Argumentation and Debate</td>
</tr>
</tbody>
</table>

**Total Hours**: 15

**Minors**

A minimum grade of “C” is required in all minor courses.

**History**

History majors may not earn this minor. A Minor in History consists of 15 sh of upper-level course work in a planned program which includes:
Hospitality, Recreation, and Resort Management

The B.S. in Hospitality, Recreation, and Resort Management (HRRM) program, founded within leisure studies, incorporates classroom instruction, field experiences, and internships, to provide students with the core competencies necessary to be successful in a broad array of service venues: convention and visitors bureaus, resorts, commercial recreation, restaurants, tourism services, spas, community recreation centers, hotels, amusement parks, private clubs, and more. Interested majors may elect to specialize in the area of Spa Management.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Hospitality, Recreation, and Resort Management must meet the requirements listed below.

A grade of “C” or higher must be earned in all courses used to fulfill major requirements. Additionally, students must earn a 2.50 cumulative GPA in the major. No more than 24% of the program requirements for this degree may be in traditional business subjects. Students should consult their advisor regarding courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
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<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101 English Composition I</td>
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<tr>
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<td>ENC 1102 English Composition II</td>
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<tr>
<td>Mathematics</td>
<td>MAC 1105 College Algebra</td>
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<td></td>
<td>MAC 1114 Trigonometry</td>
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<tr>
<td></td>
<td>MAC 1140 Precalculus Algebra</td>
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<tr>
<td></td>
<td>MAC 2233 Calculus with Business Applications</td>
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<td>MAC 2311 Analytic Geometry and Calculus I</td>
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<td>MAC 2312 Analytic Geometry and Calculus II</td>
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<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<tr>
<td></td>
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</table>

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td></td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td></td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td></td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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Social Sciences: Behavioral Perspectives:

<table>
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<tr>
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<td>Introduction to Anthropology</td>
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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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<tr>
<td>CGJ 2002</td>
<td>Survey of Crime and Justice</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Socio-Political Perspectives:

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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
<td>FIN 2104</td>
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<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
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<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>SYG 2000</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities

<table>
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<td>Fine Arts</td>
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<td>Contemporary Values and Expressions:</td>
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<tr>
<td>Natural Sciences</td>
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</table>
Take two of the following courses, including at least one with lab:

<table>
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<th>Course Code</th>
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<tbody>
<tr>
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<td>AST 3033</td>
<td>Modern Astronomy</td>
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<td>General Botany (+Lab)</td>
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<td>BSC 1005</td>
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<td>Anatomy and Physiology I</td>
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<td>Anatomy and Physiology II</td>
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<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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</tr>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
<td>3</td>
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</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology *</td>
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<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
<td>3</td>
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</tr>
<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
<td>1</td>
<td></td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Hospitality, Recreation, and Resort Management majors should take the following to satisfy components of General Studies:

** Mathematics **
- STA 2023 Elements of Statistics: 6
- MAC 1105 College Algebra: 3

** Social Sciences/Socio-Political **
- ECO 2013 Principles of Economics Macro: 3

** Lower Division Electives **

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use electives at any level (1000-4000) to meet this elective requirement.

Total Hours: 21

** Major **

HFT 3221 Human Resources in Hospitality, Recreation, and Resorts: 3
HFT 3277 Resort Operations and Management: 3
HFT 3941 Field Study in Hospitality, Recreation and Resort Management: 3
HFT 4426 Financial Decision-Making in Hospitality, Recreation and Resorts: 3
LEI 3140 Leisure and Society: 3
LEI 3301 Travel and Tourism: 3
LEI 4300 Strategic Leadership in Hospitality, Recreation, and Resorts: 3
LEI 4400 Programming and Special Events: 3
LEI 4560 Hospitality, Recreation, Tourism and Resort Marketing: 3
LEI 4602 Hospitality, Recreation and Resort Planning and Design: 3
Choose one:
- HFT 4940 Internship in Hospitality, Recreation and Resort Management: 3
- HFT 4945C Senior Capstone Experience in Hospitality, Recreation, and Resort Management: 3

Choose one:
- FSS 1221C Introduction to Culinary Production: 3
- HFT 3814C Management of Food and Beverage Operations: 3
Choose one:
- HFT 1254C Lodging Operations: 3
- HFT 3414C Managing Front Office Operations: 3
Choose one:
- HFT 2850C Management of Dining: 3
- HFT 3856C Managing Service in Food and Beverage Operations: 3
Choose three (unless specializing in Spa Management): 9-10
- FSS 2284C Catering, Banquet and Event Management: 3
- HFT 1860 Bar and Beverage Management: 3
- HFT 3271 Spa Management: 3
- HFT 4274 Condominium and Vacation Interval Ownership: 3
- HFT 4753 Convention Facilities and Meetings Management: 3
- LEI 4321 Sport, Adventure and Ecotourism: 3
- LEI 4332 Community Tourism Development: 3
- LEI 4350 Outdoor Leisure: 3

Total Hours: 51-52

** Common Prerequisites **

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/ Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

** Course offered locally by Pensacola State College**
Spa Management Option
In addition to working in a spa to fulfill the requirements of HFT 4940 or equivalent, students must take the following 9 sh instead of choosing from the listing of courses above.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3271</td>
<td>Spa Management</td>
<td>3</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Group Fitness Management</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLP 2081</td>
<td>Health, Nutrition and Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2577</td>
<td>Principles of Nutrition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>9</td>
</tr>
</tbody>
</table>

Major-Related

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>COM 4110</td>
<td>Business and Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>9</td>
</tr>
</tbody>
</table>

Minors

Hospitality, Recreation, and Resort Management
The Minor in Hospitality, Recreation, and Resort Management Minor exposes students to the courses that serve as a foundation for the major. A minor in this area is comprised of 18-19 sh and is ideal for students who want to apply their major discipline within hospitality or tourism venues. This minor is not available to HRRM majors.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2000</td>
<td>Introduction to Hospitality, Recreation, and Resort Management</td>
<td>3</td>
</tr>
<tr>
<td>LEI 3140</td>
<td>Leisure and Society</td>
<td>3</td>
</tr>
<tr>
<td>LEI 3301</td>
<td>Travel and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>Choose three of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HFT 3277</td>
<td>Resort Operations and Management</td>
<td></td>
</tr>
<tr>
<td>LEI 4332</td>
<td>Community Tourism Development</td>
<td></td>
</tr>
<tr>
<td>LEI 4350</td>
<td>Outdoor Leisure</td>
<td></td>
</tr>
<tr>
<td>LEI 4400</td>
<td>Programming and Special Events</td>
<td></td>
</tr>
<tr>
<td>LEI 4560</td>
<td>Hospitality, Recreation, Tourism and Resort Marketing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>18</td>
</tr>
</tbody>
</table>
Humanities, Interdisciplinary

**Arts Administration Specialization**

<table>
<thead>
<tr>
<th>Building</th>
<th>Phone</th>
<th>Website</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building 82, Room 231</td>
<td>(850) 857-6057</td>
<td>uwf.edu/interdisciplinary</td>
<td><a href="mailto:jbrisky@uwf.edu">jbrisky@uwf.edu</a></td>
</tr>
</tbody>
</table>

**Women's and Gender Studies Specialization**

<table>
<thead>
<tr>
<th>Building</th>
<th>Phone</th>
<th>Website</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building 41, Room 217</td>
<td>(850) 474-2357</td>
<td>uwf.edu/interdisciplinary</td>
<td><a href="mailto:spbs@uwf.edu">spbs@uwf.edu</a></td>
</tr>
</tbody>
</table>

The B.A. in Interdisciplinary Humanities program affords students the opportunity to select one of two specializations: Arts Administration or Women’s and Gender Studies. Students should note that courses taken for the chosen discipline may not be used to complete the requirements for additional majors or minors.

**Program Requirements**

In addition to the university’s general requirements, students seeking the B.A. in Interdisciplinary Humanities must meet the requirements listed below. A grade of “C” or higher must be earned in all courses used to fulfill major requirements. Additionally, Students must earn a 2.50 cumulative GPA in the major. No more than 24% of the program requirements for this degree may be in traditional business subjects.

**General Studies**

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

**General Studies Curriculum:**

- **Communication**
  - ENC 1101 English Composition I 3
  - ENC 1102 English Composition II 3

- **Mathematics**
  - MAC 1105 College Algebra 3
  - MAC 1114 Trigonometry 3
  - MAC 1140 Precalculus Algebra 3
  - MAC 2233 Calculus with Business Applications 3
  - MAC 2311 Analytic Geometry and Calculus I 4
  - MAC 2312 Analytic Geometry and Calculus II 4
  - MGF 1106 Mathematics for Liberal Arts I 3
  - MGF 1107 Mathematics for Liberal Arts II 3
  - STA 2023 Elements of Statistics 3

- **Social Sciences**
  - 8-9

Choose one course from each of the following clusters of courses

**Social Sciences: Historical Perspectives:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
</tbody>
</table>

**Social Sciences: Behavioral Perspectives:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

**Social Sciences: Socio-Political Perspectives:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

**Humanities**

Choose one course from each of the following clusters of courses

**Literature:**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
</tr>
</tbody>
</table>

**Fine Arts:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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</tbody>
</table>

**Contemporary Values and Expressions:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

**Natural Sciences**

- 7
The chosen artistic discipline including Visual Art, Music or Theatre. The student also receives intensive training in these functions include but are not limited to Marketing, Fundraising and Management. Students in the Arts Administration will gain a broad understanding of the various administrative functions within any arts organization. These functions include Marketing, Fundraising and Management. The student also receives intensive training in the chosen artistic discipline including Visual Art, Music or Theatre.

## Arts Administration Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2600C</td>
<td>Introduction to Digital Studio Practice</td>
<td>3</td>
</tr>
<tr>
<td>or ADV 2214</td>
<td>Advertising Graphics I</td>
<td></td>
</tr>
<tr>
<td>TPA 4504</td>
<td>Performing Arts Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Hours

| Total Hours | 6 |

## Capstone Experience

The Capstone Experience will consist of an internship in the administration department of a concentration appropriate nonprofit arts organization. Students will also be required to submit a paper outlining their internship at its conclusion.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4940</td>
<td>Internship in Communication</td>
<td>1</td>
</tr>
</tbody>
</table>

### Total Hours

| Total Hours | 1 |

---

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication ¹</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills ²</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one based on Fine or Performing Arts Concentration:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary ³</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization ³</td>
<td>3</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience ³</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Hours

| Total Hours | 24 |

## General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements" section of this catalog.

### Recommend that students take the following to fulfill their General Studies requirements in the following areas:

1. Socio-Political Perspectives
2. Contemporary Values and Expressions
3. Fine Arts

---

### Total Semester Hours

| Total Semester Hours | 36-37 |

---

### Arts Administration Specialization

Students in the Arts Administration will gain a broad understanding of the various administrative functions within any arts organization. These functions include but are not limited to Marketing, Fundraising and Management. The student also receives intensive training in the chosen artistic discipline including Visual Art, Music or Theatre.
Women's and Gender Studies Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 3313</td>
<td>Issues in Gender and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SOP 4702</td>
<td>Psychology and Gender</td>
<td></td>
</tr>
<tr>
<td>SYD 3810</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Capstone Experience: * 3

* The capstone experience includes organizing, participating in, and evaluating the annual Women's Studies Conference.

Major-Related

Choose six of the following: 18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3624</td>
<td>Black Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4302</td>
<td>Sex Roles in Anthropological Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ARH 3871</td>
<td>Women in Art</td>
<td></td>
</tr>
<tr>
<td>ASH 4623</td>
<td>Women in the Muslim World</td>
<td></td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender and Communication</td>
<td></td>
</tr>
<tr>
<td>ENG 3843</td>
<td>Theories of Sexuality and Gender</td>
<td></td>
</tr>
<tr>
<td>LIT 4385</td>
<td>Feminist Theory</td>
<td></td>
</tr>
<tr>
<td>PHM 4020</td>
<td>Philosophy of Sex and Love</td>
<td></td>
</tr>
<tr>
<td>PLA 4025</td>
<td>Sex Discrimination Law</td>
<td></td>
</tr>
<tr>
<td>SYD 4800</td>
<td>Sociology of Sex Roles</td>
<td></td>
</tr>
<tr>
<td>SYO 3100</td>
<td>The Family</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Minor: 12-18

Total Hours: 30-36

Students must complete an advisor approved minor or its 15 sh equivalent in a field related to the student’s career objectives.

Upper Division Electives

The remainder of the program will be comprised of electives that students can select without limitation. However, students will be advised to select additional 3000/4000 level courses to total at least 48sh at the 3000/4000 level if necessary. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses at UWF.

Total Hours: 12-18

Minors

Women's Studies

The Women's Studies Minor is an interdisciplinary program that provides students with knowledge of women's roles and influence in contemporary society, as well as the impact of social institutions, systems, and philosophies or attitudes toward women. Courses offer practical preparation for careers in teaching, counseling, community relations, law, recreation, social work, and business. Students can select classes from history, literature, fine arts, legal administration, psychology, nursing, sociology, and communication arts. Women's Studies provides several activities in which students pursuing the minor can participate: leadership conferences, speakers series, and Women's History Month presentations. This minor is available to all undergraduate students.

To receive a Minor in the Women's Studies Program, students must complete:

1. SYD 3810 Introduction to Women's Studies at UWF or WST 2010 at a community college.
2. a total of 15 semester hours of upper-division course work
   including, if taken, SYD 3810 Introduction to Women’s Studies at
   UWF. Of the remaining 12 sh, 3 sh must be in the social sciences
   and 3 sh in the humanities. See advisor for preapproved courses.
Information Technology

The B.S. in Information Technology (IT) is a cooperative effort among all colleges at UWF. Students complete one of three IT specializations: Information Technology, Digital Enterprise, or Networking and Telecommunication.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Information Technology must meet the requirements listed below.

No more than 24% of the program requirements for this degree may be in traditional business subjects. Students should consult with their academic adviser for courses which may satisfy both the General Studies requirements and common prerequisites. All major courses should be completed with a C- or higher.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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<tr>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
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<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
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<tr>
<td>AMH 2020 United States since 1877</td>
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</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
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<td>EUH 1001 Western Perspectives II</td>
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Social Sciences: Behavioral Perspectives: 3

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<td>Introduction to Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Socio-Political Perspectives: 3

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<tr>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<td>Nations and Regions of the World</td>
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<td>GEB 1011</td>
<td>Introduction to Business</td>
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<td>IDH 1041</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<td>PLA 2013</td>
<td>Survey of American Law</td>
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Humanities

Choose one course from each of the following clusters of courses

<table>
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</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
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<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
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<tbody>
<tr>
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<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
<td>3</td>
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<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
<td>3</td>
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<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
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</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
<td>3</td>
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<td>MUL 2110</td>
<td>Music in Western Civilization</td>
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<td>The Theatre Experience</td>
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Contemporary Values and Expressions: 3

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<td>Introduction to Logic</td>
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<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
<td>3</td>
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<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td>3</td>
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<td>REL 1300</td>
<td>Introduction to World Religions</td>
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<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td>3</td>
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</tbody>
</table>
Take two of the following courses, including at least one with lab:

- ANT 2511 Biological Anthropology 3
- ANT 2511L Biological Anthropology Lab 1
- AST 3033 Modern Astronomy 3
- BOT 2010+L Botany (+Lab) 4
- BSC 1005 General Botany for Non-Majors 3
- BSC 1005L General Botany for Non-Majors 1
- BSC 1050 Fundamentals of Ecology 3
- BSC 1085 Anatomy and Physiology I 3
- BSC 1085L Anatomy and Physiology I Laboratory 1
- BSC 1086 Anatomy and Physiology II 3
- BSC 1086L Anatomy & Physiology II Laboratory 1
- BSC 2311 Introduction to Oceanography and Marine Biology 3
- BSC 2311L Introduction to Oceanography and Marine Biology Laboratory 1
- CGS 2060 Excursions in Computing 3
- CGS 2060L Excursions in Computing Lab 1
- CHM 1020 Concepts in Chemistry 3
- CHM 1020L Concepts in Chemistry Lab 1
- CHM 1032 Fundamentals of General Chemistry 3
- CHM 1032L Fundamentals of General Chemistry Laboratory 1
- CHM 2045 General Chemistry I 3
- CHM 2045L General Chemistry I Laboratory 1
- CHM 2046 General Chemistry II 3
- CHM 2046L General Chemistry II Laboratory 1
- GEO 1200+L Physical Geography (+Lab) 4
- GEO 2330 Environmental Science 3
- GLY 2010 Physical Geology 3
- GLY 2010L Physical Geology Laboratory 1
- MCB 1000 Fundamentals of Microbiology 3
- MCB 1000L Fundamentals of Microbiology Laboratory 1
- PHY 1020 Introduction to Concepts in Physics 3
- PHY 1020L Introduction to Concepts in Physics Laboratory 1
- PHY 2048 University Physics I ** 3
- PHY 2048L University Physics I Lab 1
- PHY 2049 University Physics II ** 3
- PHY 2049L University Physics II LAB 1
- PHY 2053 General Physics I 3
- PHY 2053L General Physics I Laboratory 1
- PHY 2054 General Physics II 3
- PHY 2054L General Physics II Laboratory 1
- PHZ 1450 Exotic Physics 3
- ZOO 1010+L General Zoology (+Lab) 4

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

- CGS 2570 Personal Computer Applications 3
- COP 2253 Programming Using Java 3
- COP 2830 Script Programming 3
- ECO 2013 Principles of Economics Macro 3
- MAC 1140 Precalculus Algebra 3
- PHI 2603 Ethics in Contemporary Society 3
- PSY 2012 General Psychology 3
- STA 2023 Elements of Statistics 3

Total Hours: 24

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-15

Digital Enterprise Specialization

The Digital Enterprise specialization provides an applied study of Internet programming concepts, networking principles, website graphics and design development, and digital commerce technology. This curriculum features practical, hands-on experience with cutting-edge Internet computer applications. Successful graduates of the program will be prepared for high tech positions such as Internet programmer, webmaster, and Internet commerce technology analyst. Capstone experience is the Digital Enterprise Senior Project. For further information concerning this specialization, contact the Department of Computer Science.

Major

Information Technology Common Core 15
- CNT 4007C Theory and Fundamentals of Networks
- CGS 3604 Applications of Information Technology
- COP 4710 Database Systems
- GEB 3032 Business Foundations for Non-Business Majors

Choose one of the following:
- CIS 3512 Software Documentation
- ENC 3250 Professional Writing
- GEB 3213 Writing for Business: Theory and Practice

Digital Enterprise Specialization 24
- MAN 3025 Management Fundamentals
- MAR 3023 Marketing Fundamentals
- MAR 4721 Internet Marketing Principles
- MAR 4728 High Tech Product Marketing Strategy
- CIS 4595C Capstone Systems Project
- COP 3813 Internet Programming

Choose one of the following:
- CGS 3464 Programming Using Visual Basic for Non-Majors
- ISM 3011 e-Business Systems Fundamentals

Choose one of the following:
- CGS 3183 Web Design for E-Commerce
- CIS 4340 Web Server Technologies

Digital Enterprise Electives 9

Total Hours: 48
3000/4000 level electives should be chosen from the following prefixes: CAP, CGS, CIS, CNT, COP, or COT.

**Major-Related**

Electives should be chosen through discussion with the faculty advisor regarding the student’s career goals. Electives must be approved by the Computer Science department.

Total Hours

**Information Technology Specialization**

The Information Technology Specialization provides a firm foundation of coursework, including programming principles, database concepts, end-user support, security, administration, and systems planning. Graduates of this program will have strong knowledge of information technology skills required for entry-level positions including Application Support Analyst, Business Requirements Analyst, Database Analyst, Infrastructure Manager, Operations Manager, Network Manager, Project Manager, IT Manager/Director, Systems Architect, and Web Architect. For further information about this specialization, contact the Department of Computer Science.

**Major**

Information Technology Common Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>CGS 3604</td>
<td>Applications of Information Technology</td>
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<tr>
<td>CIS 3512</td>
<td>Software Documentation</td>
</tr>
<tr>
<td>CNT 4007C</td>
<td>Theory and Fundamentals of Networks</td>
</tr>
<tr>
<td>COP 4710</td>
<td>Database Systems</td>
</tr>
<tr>
<td>GEB 3032</td>
<td>Business Foundations for Non-Business Majors</td>
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Information Technology Specialization

<table>
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<tr>
<th>Course</th>
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<tr>
<td>CEN 4340C</td>
<td>IT Infrastructure Planning, Acquisition, and Integration</td>
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<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
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<td>CIS 4361C</td>
<td>IT Security</td>
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<td>CIS 4595C</td>
<td>Capstone Systems Project</td>
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<td>CNT 4014C</td>
<td>IT Administration</td>
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<td>COP 4610C</td>
<td>Theory and Fundamentals of Operating Systems</td>
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<td>CTS 3159</td>
<td>End User Support</td>
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<td>CTS 4817</td>
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</tbody>
</table>

Total Hours

**Networking And Telecommunication Technologies Specialization**

The specialization prepares learners to assume leadership roles in Technology Systems operations within an organization. Learners are prepared to apply technology within the constraints of efficiency, effectiveness, and reliability, as a strategic asset in the execution of an organization’s goals. Learners in the program employ Technology Systems as the background for the three main areas of focus that are its foundation: project planning and implementation, complex problem analysis and resolution, and small group communication.

For further information contact the Department of Applied Science, Technology, and Administration at (850) 474-2484 or at ect@uwf.edu.
International Studies

Program Contact: uwf.edu/govt/faculty

International Studies is an interdisciplinary major designed to foster understanding and analysis of world issues. Major coursework provides a broad introduction to the world emphasizing culture, history, politics, geography and economics. Critical thinking and problem-solving skills are developed throughout the curriculum of study, as contextual knowledge is gained and contemporary problems examined. There are five International Studies tracks: Generalist, Security and Diplomacy, International Business and Economics, Cultural Affairs, and Area Studies. In the Generalist track, students take a broad spectrum of courses relating to their major. In the Security and Diplomacy track, students focus on political science, international relations, studies of conflict and war, diplomatic relations, international law and organizations, military issues, democratization, and politics in specific countries. In the International Business and Economics track, students focus on international trade, development, business and economics. In the Cultural Affairs track, students emphasize history, anthropology, geography, world languages, and humanities of countries outside of the United States. In the Area Studies track, students pay particular attention to one region of the world, such as Europe, Latin America, or Asia. The Area Studies track requires two semesters of a foreign language.

Program Requirements

In addition to general University requirements, students seeking the B.A. in International Studies must meet the requirements listed below. Consult with your academic advisor for courses which may satisfy both the General Studies and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

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Mathematics

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Social Sciences

Choose one course from each of the following clusters of courses

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- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities

Choose one course from each of the following clusters of courses

Literature:
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences

Choose one course from each of the following clusters of courses
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/International_Studies_Common_Core) for course substitutions from Florida colleges and universities.

**There are no Common Prerequisite courses mandated by the state for the International Studies program.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 24

Recommended electives are INR 2002 International Politics and CPO 2002 Comparative Politics.

Major

International Studies Common Core

Choose six courses, one each from at least five different academic fields: 18

Politics
CPO 2002 Comparative Politics
INR 2002 International Politics

Analysis
INR 3006 Conflict, Violence and Peace
INR 3073 Issues in International Politics
POS 3033 Analyzing Political Issues
PUP 4044 Analytic Techniques for Public Policy

Culture
ANT 3141 Origins of Civilization
ANT 3212 Peoples and Cultures of the World

History
Any 3000/4000 level EUH or LAH course

Economics
ECO 3003 Principles of Economic Theory and Public Policy

Geography
GEO 3421 Cultural Geography
GEO 3471 Geography of World Affairs

Total Hours: 18

* or both EUH 1000 Western Perspectives I and EUH 1001 Western Perspectives II - 6 sh
** or both ECO 2013 Principles of Economics Macro and ECO 2023 Principles of Economics Micro - 6 sh

Concentration Tracks

Choose five courses in one of the five tracks described below: 15-23

Generalist Track
Choose five additional 3000/4000 level courses from at least four different categories below, for a total of 15 sh. For specific course listings, see the International Studies Advisor or the Department Chair.

Cultural Affairs Track
Choose five additional 3000/4000 level courses focused primarily on history (Track I), anthropology and geography (Track II), or humanities (Track III), for countries outside of the United States. For specific course listings, see the International Studies Advisor or the Department Chair.

Security and Diplomacy Track
Choose five additional 3000/4000 level courses dealing primarily with international relations, studies of conflict and war, diplomatic relations, international law and organizations, military issues, democratization, and politics in specific countries. For specific course listings, see the International Studies Advisor or the Department Chair.

International Business and Economics Track
Choose five additional 3000/4000 level courses primarily focused on international trade, economic development, business and economics. For specific course listings, see the International Studies Advisor or the Department Chair.

**Area Studies Track (21-23 sh)**

Choose 5 courses (15 sh) focused on one regional area, Latin America, Asia, or Europe. For specific course listings, see the International Studies Advisor or the Department Chair. Additionally, students must complete two semesters (6-8 sh) of a foreign language from their regional area of concentration. Contact the department for additional information. Students selecting this specialization have a 21-23 semester hour specialization rather than 15 sh, for a total of 39-41 sh required for the major rather than 33 sh.

| Total Hours | 15-23 |

* Students selecting this specialization have a 21-23 semester hour specialization rather than 15 sh for a total of 39-41 sh required for the major rather than 33 sh.

**Upper Division Electives**

Sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or completion of all departmental requirements at the 3000/4000 level, whichever is greater.

| Total Hours | 19-27 |

**Minors**

**International Studies**

A Minor in International Studies requires 12 sh in Core courses, and 6 sh in upper-division support courses, for a total of 18 sh. Of the 12 sh of upper division courses, at least 9 sh must be completed at UWF. International Studies majors may not earn this minor.

**Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
<td>6</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td>6</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>Geography of World Affairs</td>
<td></td>
</tr>
<tr>
<td>INR 3006</td>
<td>Conflict, Violence and Peace</td>
<td></td>
</tr>
</tbody>
</table>

**Support Courses**

3000/4000 level courses chosen with the advice of the program director or department chair

| Total Hours | 18 |

* Students selecting this specialization have a 21-23 semester hour specialization rather than 15 sh for a total of 39-41 sh required for the major rather than 33 sh.
Legal Studies

The Legal Studies Program offers a curriculum for students who have a desire to attend law school, but who also want to be able to work in the legal field as a paralegal/legal assistant. No previous legal/paralegal coursework is required to enter the program. Contact the academic advisor for the Legal Studies Program for additional information concerning the post-baccalaureate certificate. Students majoring in Legal Studies are not permitted to earn the dual major in Criminal Justice or the minor in Criminal Justice.

Program Requirements

In addition to general University requirements, students seeking the Bachelor of Arts in Legal Studies must meet the requirements listed below. A grade of “C” is required for all courses listed as core courses.

It is recommended that students successfully complete at least one or two law-related courses before attempting PLA 3103 Legal Research and Writing. PLA 4263 Evidence must be successfully completed before or while taking PLA 4204 Civil Procedure. All Legal Studies majors must successfully complete PLA 4155 Legal Advocacy notwithstanding any prior course work at any other institution.

Any course substitutions for specifically listed courses must be approved in writing, in advance by a Legal Studies faculty member. All PLA courses presume competency and experience with word processing, spreadsheets, databases, e-mail and Internet. If you do not have experience in these areas, it is suggested that you complete CGS 2570 Personal Computer Applications prior to taking any PLA courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences | 9

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives: 3
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2120 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives: 3
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 213 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Current Social Problems

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature: 3
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts: 3
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors*</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology*</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
<td>1</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>3</td>
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<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry*</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
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<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
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<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
<td>3</td>
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<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
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<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology*</td>
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</tr>
<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics*</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
<td>3</td>
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<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
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<td>PHY 2049L</td>
<td>University Physics II LAB</td>
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<td>General Physics I</td>
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<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
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<td>PHY 2054</td>
<td>General Physics II</td>
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<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
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<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Legal Studies majors should take PLA 2013 Survey of American Law to fulfill the socio-political perspectives component of General Studies and either PHI 2603 Ethics in Contemporary Society or PHI 2103 Critical Thinking or PHI 2100 Introduction to Logic to satisfy the humanities contemporary values and expressions component of General Studies. Legal Studies students planning to take the LSAT and seek admission to law school should take a course in Logic or

Critical Thinking to meet the humanities contemporary values and expressions component of General Studies.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 24

Recommended electives include PLA 2013 Survey of American Law, PHI 2603 Ethics in Contemporary Society and PHI 2103 Critical Thinking if not taken as part of the General Studies Program.

It is strongly recommended that Legal Studies students take advantage of courses that will strengthen their skills with spreadsheets, databases, and accounting needed for employment in the legal profession and courses that will strengthen their written and verbal communication skills needed for success in law school.

**Major**

Justice Studies Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>American Justice System</td>
<td>12</td>
</tr>
<tr>
<td>CCJ 3060</td>
<td>Ethics and the Justice System</td>
<td></td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Judicial Process</td>
<td></td>
</tr>
<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
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</tr>
</tbody>
</table>

Legal Studies Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 3103</td>
<td>Legal Research and Writing</td>
<td>9</td>
</tr>
<tr>
<td>PLA 4155</td>
<td>Legal Advocacy</td>
<td></td>
</tr>
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</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 4263</td>
<td>Evidence</td>
<td></td>
</tr>
<tr>
<td>PLA 4885</td>
<td>Constitutional Law for the Paralegal</td>
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</table>

Justice Studies Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000-4000 level electives (PLA, CJC, CJE, CJL or CCJ)</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 42

* It is strongly recommended that students successfully complete at least one or two law-related courses before attempting PLA 3103 Legal Research and Writing. Successful completion of PLA 3103 Legal Research and Writing is a prerequisite for PLA 4155 Legal Advocacy.

Students can satisfy up to 6 hours of the Justice Studies Electives requirement with service learning, internship and/or directed study courses (the combination of these may not exceed 6 hours).

**Major-Related**

Students are required to complete 18 hours of supporting courses selected and approved by the student’s academic advisor. These courses may vary from student to student depending on individual needs and objectives. A list of approved courses is available from the Academic Advisor which identifies courses needed by those who intend to pursue law school and/or those who seek employment in the legal profession in a capacity other than that of an attorney. Courses from the following disciplines may be approved by the advisor: Accounting, Anthropology, Business, Criminal Justice, Communication Arts, Computer Science, English, History, Language, Management, Philosophy, Psychology, Political Science, Public Administration, Religion, Social Work and Sociology.

Total Hours 18

**Minors**
Pre-Law

The Legal Studies Pre-Law Minor is meant as a supplement to majors other than Legal Studies and is for those who want a minimal background to prepare for law school or who want an introduction to terminology and basic ideas and skills related to the law and the legal profession. In contrast, the Legal Studies major emphasizes legal career preparation. Students who are considering attending law school are strongly encouraged to complete PLA 3103 Legal Research and Writing for the elective in this minor. Students who take PLA 3103-Legal Research and Writing should successfully complete at least one or two law-related courses before attempting this course. Contact a Legal Studies advisor who will assist in choosing appropriate courses. A minimum of 9 sh of upper division courses must be completed at UWF. Legal Studies majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
<td>3</td>
</tr>
<tr>
<td>Choose one:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PLA 4263</td>
<td>Evidence</td>
<td></td>
</tr>
<tr>
<td>PLA 4885</td>
<td>Constitutional Law for the Paralegal</td>
<td></td>
</tr>
<tr>
<td>Choose two:</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

3000/4000 level Legal Studies (PLA) courses (3-6 sh)
Management

The Bachelor of Science in Business Administration (B.S.B.A.) degree with a major in Management is for people who aim for or hold positions of organizational leadership. Management encompasses a variety of leadership skills, and the management program builds administrative competence for careers in industrial, service, governmental, educational, and other settings. The orientation is toward effective utilization of resources and information and the direction of human affairs in a complex changing environment.

Program Requirements

In addition to general University requirements, students seeking the B.S.B.A. in Management must meet the requirements listed below. A minimum course grade of “C” is required in all College of Business prerequisites and courses.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I 3</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II 3</td>
</tr>
<tr>
<td>Mathematics</td>
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<tr>
<td>MAC 1105</td>
<td>College Algebra 3</td>
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<td>MAC 1114</td>
<td>Trigonometry 3</td>
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<td>MAC 1140</td>
<td>PreCalculus Algebra 3</td>
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<td>MAC 2233</td>
<td>Calculus with Business Applications 3</td>
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<td>Analytic Geometry and Calculus II 4</td>
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<td>Mathematics for Liberal Arts I 3</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II 3</td>
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<td>STA 2023</td>
<td>Elements of Statistics 3</td>
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</table>

Social Sciences 9

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Social Sciences: Historical Perspectives:</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
</tr>
<tr>
<td>AMH 2020 United States since 1877</td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001 Western Perspectives II</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Social Sciences: Behavioral Perspectives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
</tr>
<tr>
<td>SOW 2192 Understanding Relationships in the 21st Century</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Sciences: Socio-Political Perspectives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400 Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002 Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013 Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104 Personal Financial Planning</td>
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<tr>
<td>GEA 2000 Nations and Regions of the World</td>
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<td>GEB 1011 Introduction to Business</td>
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<tr>
<td>IDH 1041 Honors Core 2</td>
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<tr>
<td>INR 2002 International Politics</td>
</tr>
<tr>
<td>MMC 2000 Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013 Survey of American Law</td>
</tr>
<tr>
<td>POS 2041 American Politics</td>
</tr>
<tr>
<td>SYG 2080 Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010 Current Social Problems</td>
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</table>

Humanities 8-9

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Literature:</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<tr>
<td>IDH 1040 Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030 Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040 Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122 Great Books I</td>
</tr>
<tr>
<td>LIT 2100 Introduction to Literature</td>
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</table>

<table>
<thead>
<tr>
<th>Fine Arts:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1010 Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821 Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930 The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110 Music in Western Civilization</td>
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<tr>
<td>THE 2000 The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
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</table>

<table>
<thead>
<tr>
<th>Contemporary Values and Expressions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100 Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103 Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603 Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300 Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
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</table>

Natural Sciences 7
Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology II Laboratory</td>
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</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology Laboratory</td>
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<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory *</td>
<td>1</td>
</tr>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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</tr>
<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics *</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
<td>3</td>
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<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
<td>1</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
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<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</td>
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<tr>
<td>PHY 2054L</td>
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<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Management majors should take SPC 2608 Basic Communication Skills to satisfy the humanities/values and expressions component, STA 2023 Elements of Statistics and MAC 2233 Calculus with Business Applications to satisfy the mathematics component, and ECO 2013 Principles of Economics Macro to satisfy the social science/socio-political components of General Studies.

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2570</td>
<td>Personal Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro *</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications *</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 21

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 3-12

Major

College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3453</td>
<td>Business Ethics and Stakeholder Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4361</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3504</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Policy Analysis and Formulation</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
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</table>

Total Hours 30

Management Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COM 4110</td>
<td>Business and Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3240</td>
<td>Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3550</td>
<td>Introduction to Management Science</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4750</td>
<td>The Future: Projecting, Planning and Managing</td>
<td>3</td>
</tr>
</tbody>
</table>
Undergraduate Degrees and Areas of Specialization

Management Development Certificate
Department: Management
Method of Instruction: Classroom
Semester Hours: 12

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Three additional Management (MAN) 3000/4000 level courses</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Small Business Management/Entrepreneurship Certificate
Department: Management
Method of Instruction: Classroom
Semester Hours: 12

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3583</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3802</td>
<td>Small Business/Family Business Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4801</td>
<td>Business Plan Development for New Ventures</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
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<td>12</td>
</tr>
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</table>

Minors

Management

The Minor in Management requires completion of the following courses with a grade of "C" or higher. At least 9 sh of the required upper division course work must be completed at UWF. Management majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3240</td>
<td>Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>3000/4000 level Management (M) courses</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
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<td>18</td>
</tr>
</tbody>
</table>

Certificates

Human Resources Management Certificate
Department: Management/MIS
Semester Hours: 12

The undergraduate certificate in Human Resources Management focuses on knowledge and skills needed to specialize in this complex and ever changing field. Students gain foundational knowledge in the areas of overview of HRM, legal and ethical context of HRM, employee rewards, compensation systems, legislation affecting compensation and benefits, job analysis, planning and forecasting staffing requirements, selection tools and methods, employee training and development programs, motivation, leadership, conflict resolution, and organizational dynamics. Employers of all sizes and structure are seeking individuals with a broad based skill set in this field. Students who earn this certificate are expected to be able to differentiate themselves in today’s competitive job market.

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3240</td>
<td>Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4330</td>
<td>Compensation and Benefits</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4350</td>
<td>Staffing, Training and Development</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>
Management Information Systems

The Bachelor of Science in Business Administration (B.S.B.A.) degree with a major in Management Information Systems (M.I.S.) emphasizes information as a resource to be managed, planned, and controlled in much the same way as other organizational resources. This program of study presents the concepts and methods of analyzing, designing, planning, and managing simple or complex information systems within an organization. In addition, M.I.S. emphasizes the managerial aspects of information systems by providing a base of business instruction common to the College of Business programs.

Program Requirements

In addition to general University requirements, students seeking the B.S.B.A. in Management Information Systems must meet the requirements listed below. A minimum course grade of “C” is required in all College of Business prerequisites and courses.

Students should consult their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirements</th>
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</thead>
<tbody>
<tr>
<td>Communication</td>
<td>ENC 1101 English Composition I</td>
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<tr>
<td></td>
<td>ENC 1102 English Composition II</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAC 1105 College Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 1114 Trigonometry</td>
</tr>
<tr>
<td></td>
<td>MAC 1140 Precalculus Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 2233 Calculus with Business Applications</td>
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<tr>
<td></td>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
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<td></td>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
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<td></td>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<td></td>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
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<td>STA 2023 Elements of Statistics</td>
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Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
</tbody>
</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CGJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities

8-9

Choose one course from each of the following clusters of courses

Literature:

<table>
<thead>
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<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
</tr>
<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
</tr>
</tbody>
</table>

Fine Arts:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
</tbody>
</table>

Contemporary Values and Expressions:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences

7
Take two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
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<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
<td>1</td>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
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<tr>
<td>BOT 2010+</td>
<td>General Botany (+Lab)</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
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<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>Anatomy and Physiology I Laboratory</td>
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<td>BSC 1086</td>
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<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
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<td>BSC 2311L</td>
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<td>Concepts in Chemistry Lab</td>
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<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
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<td>GLY 2010L</td>
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<td>MCB 1000</td>
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<td>MCB 1000L</td>
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<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<td>PHZ 1450</td>
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<td>ZOO 1010+</td>
<td>General Zoology (+Lab)</td>
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</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Management Information Systems majors should take SPC 2608 Basic Communication Skills to satisfy the humanities/values and expressions component, STA 2023 Elements of Statistics and MAC 2233 Calculus with Business Applications to satisfy the mathematics component, and ECO 2013 Principles of Economics Macro to satisfy the social science/socio-political components of General Studies.

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
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<td>CGS 2570</td>
<td>Personal Computer Applications</td>
<td>3</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
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<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
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<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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</table>

Total Hours: 21

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 3-12 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 3-12

Major

College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

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<tr>
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<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal Environment of Business</td>
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<tr>
<td>FIN 3403</td>
<td>Managerial Finance</td>
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<tr>
<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
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<td>GEB 3453</td>
<td>Business Ethics and Stakeholder Management</td>
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<td>GEB 4361</td>
<td>International Business</td>
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<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
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<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
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<td>MAN 3504</td>
<td>Operations Management</td>
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<tr>
<td>MAN 4720</td>
<td>Policy Analysis and Formulation</td>
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<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
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Total Hours: 30

Management Information Systems Specialization

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<td>Business Development Environments</td>
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<tr>
<td>ISM 4113</td>
<td>Business Systems Design</td>
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<td>ISM 4114</td>
<td>Business Information Systems Development</td>
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<tr>
<td>ISM 4300</td>
<td>Systems Planning, Design and Control</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4400</td>
<td>Decision Support and Expert Systems</td>
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<tr>
<td>ISM 4483</td>
<td>e-Business Infrastructure Management</td>
<td>3</td>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
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<td>ISM 4481</td>
<td>Knowledge Management for e-Business</td>
<td>3</td>
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<tr>
<td>COP 4710</td>
<td>Database Systems</td>
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Total Hours 21

**Major-Related**

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<td>MAN 3240</td>
<td>Behavior in Organizations</td>
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<tr>
<td>MAN 3550</td>
<td>Introduction to Management Science</td>
<td>3</td>
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<tr>
<td>3000/4000 level advisor approved major-related elective</td>
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</table>

Total Hours 9

**Minors**

**Management Information Systems**

The Minor in Management Information Systems requires completion of the following courses with a grade of “C” or higher. At least 9 sh of the upper division work must be completed at UWF. Management Information Systems majors may not earn this minor.

<table>
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<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CGS 2570</td>
<td>Personal Computer Applications</td>
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<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3235</td>
<td>Business Development Environments</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4300</td>
<td>Systems Planning, Design and Control</td>
<td>3</td>
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<tr>
<td>ISM 4400</td>
<td>Decision Support and Expert Systems</td>
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<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
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<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
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<tr>
<td>&amp; ACG 2071</td>
<td>and Principles of Managential Accounting</td>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td></td>
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</tbody>
</table>

Total Hours 21

**e-Business**

Distinct from any of the functional areas that support technology and business, the Minor in e-Business is an interdisciplinary, undergraduate program consisting of:

- two foundation courses (6 sh)
- four electives (12 sh)

It is intended to provide a solid foundation for those interested in pursuing opportunities in businesses who have already joined the e-Business revolution, as well as in businesses that are attempting to define the appropriate role of e-Business in their organizations. The e-Business Minor is open to all students who meet the requirements to enroll in the first course in the e-Business Minor sequence. All courses must be completed with a grade of “C” or better. Students should choose electives carefully as some may have prerequisites.

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Choose four of the following:  

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<tr>
<td>CIS 4340</td>
<td>Web Server Technologies</td>
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<tr>
<td>COP 2253</td>
<td>Programming Using Java</td>
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<tr>
<td>COP 3813</td>
<td>Internet Programming</td>
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<tr>
<td>ISM 3235</td>
<td>Business Development Environments</td>
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<td>ISM 4481</td>
<td>Knowledge Management for e-Business</td>
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</tr>
<tr>
<td>MAR 4721</td>
<td>Internet Marketing Principles</td>
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</table>
Marine Biology

The University of West Florida is one of only a few institutions in the United States which offers a Bachelor of Science in Marine Biology. The program is provided through the Department of Biology. The curriculum includes a series of six core courses fundamental to all areas of biology. Elective courses emphasize theoretical and practical aspects of aquatic/marine biology. Wetlands and estuarine marshes of the main campus, as well as the nearby Santa Rosa Island campus and the Gulf of Mexico, provide living specimens for study and serve as laboratories supporting elective courses. Graduates may seek careers in marine biology, fisheries management, aquaculture, pollution biology, and marine toxicology, and find employment in local, state, and federal departments of environmental regulation and education, as well as the private sector. Graduates are also well prepared to pursue advanced degrees. Prospective students need to be aware that some biology lab courses involve the use of live animals; students may wish to seek details from course instructors before enrolling.

Program Requirements

In addition to general University requirements, students seeking the B.S. in Marine Biology must meet the requirements listed below.

A grade of “C” or better is required in each of the six biology core courses.

Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

Communication
- ENC 1101 English Composition I 3
- ENC 1102 English Composition II 3

Mathematics
- MAC 1105 College Algebra 3
- MAC 1114 Trigonometry 3
- MAC 1140 Precalculus Algebra 3
- MAC 2233 Calculus with Business Applications 3
- MAC 2311 Analytic Geometry and Calculus I 4
- MAC 2312 Analytic Geometry and Calculus II 4
- MGF 1106 Mathematics for Liberal Arts I 3
- MGF 1107 Mathematics for Liberal Arts II 3
- STA 2023 Elements of Statistics 3

Social Sciences

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877 3
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCO 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century 3

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities

Choose one course from each of the following clusters of courses

Literature:
- AML 2072 Sex, Money, and Power in American Literature 3
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:
- PHI 2010 Introduction to Philosophy 3
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences

Choose one course from each of the following clusters of courses

Biology:
- MAC 1114 Trigonometry
- MAC 2311 Analytic Geometry and Calculus I
- MAC 2312 Analytic Geometry and Calculus II
- MGF 1106 Mathematics for Liberal Arts I
- MGF 1107 Mathematics for Liberal Arts II
- STA 2023 Elements of Statistics

Chemistry:
- MAC 1114 Trigonometry
- MAC 2311 Analytic Geometry and Calculus I
- MAC 2312 Analytic Geometry and Calculus II
- MGF 1106 Mathematics for Liberal Arts I
- MGF 1107 Mathematics for Liberal Arts II
- STA 2023 Elements of Statistics

Physics:
- MAC 1114 Trigonometry
- MAC 2311 Analytic Geometry and Calculus I
- MAC 2312 Analytic Geometry and Calculus II
- MGF 1106 Mathematics for Liberal Arts I
- MGF 1107 Mathematics for Liberal Arts II
- STA 2023 Elements of Statistics

Social Sciences:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II
- SOW 2192 Understanding Relationships in the 21st Century

Humanities:
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature
- ARH 1010 Introduction to Art History
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- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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</tr>
<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
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<tr>
<td>PHY 2048L</td>
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<td>PHY 2049</td>
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<td>PHY 2053</td>
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<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
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<td>PHY 2054</td>
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<tr>
<td>PHY 2054L</td>
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<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
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</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Marine Biology majors should satisfy the mathematics (6 sh) and science (7 sh) components of General Studies with course work taken from the common prerequisites shown below.

Marine Biology majors should take ANT 2000 Introduction to Anthropology to satisfy the social science/behavioral perspectives component of General Studies.

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc_portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Graduation requirements for the B.S. degree in Marine Biology include the successful completion of the following science/mathematics prerequisites:

- Three foundation courses in biology (recommended: General Botany; General Zoology; Cell Biology)
- General Chemistry I and II
- Organic Chemistry I and II
- General Physics I and II
- Calculus I and either Calculus II or Statistics (Statistics is preferred)

Since it will be difficult to incorporate all prerequisites into the 60 sh Lower Division Curriculum, students are advised to complete the following common prerequisites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045-L</td>
<td>General Chemistry I (+Lab)</td>
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</tr>
<tr>
<td>CHM 2046-L</td>
<td>General Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PCB 2131-L</td>
<td>Cell Biology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
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</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Option</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1:</td>
<td>BOT 2010-L</td>
<td>General Botany (+Lab)</td>
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</tr>
<tr>
<td>Option 2 (Preferred Option):</td>
<td>ZOO 1010-L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
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</tbody>
</table>

Choose one of the following options:

<table>
<thead>
<tr>
<th>Option</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1:</td>
<td>CHM 2210-L</td>
<td>Organic Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Option 2 (Preferred Option):</td>
<td>CHM 2211-L</td>
<td>Organic Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Option 1:</td>
<td>PHY 2053-L</td>
<td>General Physics I (-Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Option 2 (Preferred Option):</td>
<td>PHY 2054-L</td>
<td>General Physics II (+Lab) *</td>
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</table>

Total Hours: 31

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4404-L</td>
<td>Aquatic Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4254-L</td>
<td>Marine Invertebrate Zoology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4304-L</td>
<td>Marine Vertebrate Zoology (+Lab)</td>
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</table>

Choose from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 4263</td>
<td>Biological Oceanography</td>
<td>10</td>
</tr>
</tbody>
</table>
Undergraduate Degrees and Areas of Specialization

BSC 4303 Biogeography
PCB 3253+L Developmental Biology (+Lab)
PCB 4048 Estuarine Ecology
PCB 4364+L Marine Ecological Physiology (+Lab)
ZOO 4454 Elasmobranch Biology
ZOO 4457 Fish Physiology
ZOO 4485 Marine Mammalogy
ZOO 4513 Animal Behavior
ZOO 4880C Fisheries Biology
Biology directed studies (2 hours maximum)

Marine Biology Core: 24
BCH 3033+L Biochemistry I (+Lab)
MCB 3020+L Microbiology (+Lab)
PCB 3063+L Genetics (+Lab)
PCB 4043+L Ecology (+Lab)
PCB 4524+L Molecular Biology (+Lab)
PCB 4723+L Comparative Animal Physiology I (+Lab)

Total Hours 46

Major-Related

STA 4173 Biostatistics 3
Choose one of the following: 3
BSC 4434 Introduction to Bioinformatics
CGS 3464 Programming Using Visual Basic for Non-Majors

Choose two of the following: * 8
BOT 2010+L General Botany (+Lab)
CHM 2210+L Organic Chemistry I (+Lab)
PHY 2053+L General Physics I (+Lab)
ZOO 1010+L General Zoology (+Lab)

Total Hours 14

* Students must take 8 sh that were not completed as part of the Common Prerequisites in the lower division
Maritime Studies

Program Contact: uwf.edu/maritimestudies/facstaff/

The Maritime Studies Program is designed to familiarize students with the dynamic cultural and natural resources of the maritime environment. Students gain the necessary knowledge and expertise to enable them to participate and contribute to our growing understanding and management of the maritime environment.

Maritime Studies prepares students for careers in the diverse and exciting maritime world. This degree provides a broad understanding of the diversified field by integrating maritime themes, transferable skills, and a knowledge base to enter a variety of maritime-related careers. The maritime industry is a major global employer with thousands of opportunities in many areas. The marine environment covers 71% of the earth and continued technology advancement has increased pressure on its resources. Understanding and managing maritime resources is becoming increasingly important, requiring a wide range of theoretical knowledge and practical skills that this Maritime Studies degree will provide.

The hallmark of the Maritime Studies Program is its flexibility because it allows students to tailor their degree program to their individual interests. It requires only a few specific core courses to provide an overview of the main areas in Maritime Studies. Students complete their degree programs with elective courses from a wide range of disciplines such as Anthropology/Archaeology, Marine Biology, Environmental Studies, History, Art History, Literature, Law, Political Science, and Leisure Studies.

Academic study is only part of the essential training needed for students of Maritime Studies. They also must have a structured field experience in which methods of sampling, recording, and other practical aspects of professional work in the field environment are learned.

Program Requirements

In addition to general University requirements, students seeking the B.A. degree in Maritime Studies must meet the requirements listed below.

A grade of “C” or better is required in all core courses and courses in the minor.

Students must have a structured field experience in which methods of sampling, recording, and other practical aspects of professional work in the field environment are learned. Field experiences in shipwreck archaeology and overseas history are available. Other structured field experiences can be designed.

In order to enhance the employability and/or acceptance into a graduate program of Maritime Studies, students must also complete a minor in their primary interest field. The fields of choice for minors are:

- Anthropology
- Biology
- Economic Policy
- Environmental Studies
- Geography
- History
- Hospitality
- Recreation; and Resort Management
- International Studies

- Political Science
- Pre-Law
- Public Administration
- Spanish
- Earning the certificate in GIS

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
<th>Mathematics</th>
<th>Social Sciences</th>
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<tr>
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<td>MAC 1105</td>
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<td>AMH 2020</td>
</tr>
<tr>
<td></td>
<td>MAC 1140</td>
<td>EUH 1000</td>
</tr>
<tr>
<td></td>
<td>MAC 2233</td>
<td>EUH 1001</td>
</tr>
<tr>
<td></td>
<td>MAC 2311</td>
<td>STA 2023</td>
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<td>MGF 1106</td>
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</table>

Choose one course from each of the following clusters of courses:

Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CJC 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

<table>
<thead>
<tr>
<th>Humanities</th>
<th>8-9</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>MAC 1105</td>
<td>AMH 2010</td>
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<td>MAC 1114</td>
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<td>EUH 1000</td>
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<td>MAC 2311</td>
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<td>STA 2023</td>
</tr>
<tr>
<td></td>
<td>MGF 1106</td>
<td>STA 2023</td>
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<td>MGF 1107</td>
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<tr>
<td></td>
<td>STA 2023</td>
<td>STA 2023</td>
</tr>
</tbody>
</table>

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- ANT 2100 Introduction to Archaeology
- CJC 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
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- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
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- SYG 2010 Current Social Problems

<table>
<thead>
<tr>
<th>Humanities</th>
<th>8-9</th>
</tr>
</thead>
</table>
Undergraduate Degrees and Areas of Specialization

Choose one course from each of the following clusters of courses

Literature: 3
AML 2072 Sex, Money, and Power in American Literature
IDH 1040 Honors Core I
LIT 2030 Introduction to Poetry
LIT 2040 Introduction to Drama
LIT 1122 Great Books I
LIT 2100 Introduction to Literature

Fine Arts: 3
ARH 1010 Introduction to Art History
ARH 2050 Western Survey I: Greek to Renaissance
ARH 2051 Western Survey II: Baroque to Contemporary
ART 1015C Exploring Artistic Vision
ART 2821 Art and Visual Culture Today
MUL 2110 Music in Western Civilization
THE 2000 The Theatre Experience
THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
PHI 2010 Introduction to Philosophy
PHI 2100 Introduction to Logic
PHI 2103 Critical Thinking
PHI 2603 Ethics in Contemporary Society
REL 1300 Introduction to World Religions
SPC 2608 Basic Communication Skills

Natural Sciences 7
ANT 2511 Biological Anthropology
ANT 2511L Biological Anthropology Lab
AST 3033 Modern Astronomy
BOT 2010-L General Botany (+Lab)
BSC 1005 General Biology for Non-Majors
BSC 1005L General Biology Laboratory for Non-Majors
BSC 1050 Fundamentals of Ecology
BSC 1085 Anatomy and Physiology I
BSC 1085L Anatomy and Physiology I Laboratory
BSC 1086 Anatomy and Physiology II
BSC 1086L Anatomy & Physiology II Laboratory
BSC 2311 Introduction to Oceanography and Marine Biology
BSC 2311L Introduction to Oceanography and Marine Biology Laboratory
CGS 2060 Excursions in Computing
CGS 2060L Excursions in Computing Lab
CHM 1020 Concepts in Chemistry
CHM 1020L Concepts in Chemistry Lab
CHM 1032 Fundamentals of General Chemistry
CHM 1032L Fundamentals of General Chemistry Laboratory
CHM 2045 General Chemistry I
CHM 2045L General Chemistry I Laboratory
CHM 2046 General Chemistry II
CHM 2046L General Chemistry II Laboratory
GEO 1200-L Physical Geography (+Lab)
GEO 2330 Environmental Science
GLY 2010 Physical Geology
GLY 2010L Physical Geology Laboratory
MCC 1000 Fundamentals of Microbiology
MCC 1000L Fundamentals of Microbiology Laboratory
PHY 1020 Introduction to Concepts in Physics
PHY 1020L Introduction to Concepts in Physics Laboratory
PHY 2048 University Physics I
PHY 2048L University Physics I Lab
PHY 2049 University Physics II
PHY 2049L University Physics II LAB
PHY 2053 General Physics I
PHY 2053L General Physics I Laboratory
PHY 2054 General Physics II
PHY 2054L General Physics II Laboratory
PHZ 1450 Exotic Physics
ZOO 1010-L General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Maritime Studies majors should take BSC 2311 Introduction to Oceanography and Marine Biology/BSC 2311L Introduction to Oceanography and Marine Biology Laboratory for the Natural Sciences lecture and lab requirement. Students should also take EUH 1000 Western Perspectives I or EUH 1001 Western Perspectives II to meet the historical perspective component.
Common Prerequisites
State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>ANT 1138</td>
<td>Introduction to Maritime Studies</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311+L</td>
<td>Introduction to Oceanography and Marine Biology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
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<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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<td>INR 2002</td>
<td>International Politics</td>
<td>3</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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</table>

Choose one of the following: 4

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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</tr>
<tr>
<td>GLY 2010+L</td>
<td>Physical Geology (+Lab)</td>
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</tr>
</tbody>
</table>

Total Hours: 24

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives
Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Students should take the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511+L</td>
<td>Biological Anthropology (+Lab)</td>
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</tr>
<tr>
<td>BSC 1005+L</td>
<td>General Biology for Non-Majors (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 1032+L</td>
<td>Fundamentals of General Chemistry (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>or CHM 2045</td>
<td>General Chemistry I &amp; 2045L</td>
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</table>

Total Hours: 16

Major

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ANT 3137</td>
<td>Shipwreck Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy (*)</td>
<td>3</td>
</tr>
<tr>
<td>HIS 4284</td>
<td>Maritime History</td>
<td>3</td>
</tr>
<tr>
<td>INR 4403</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>EVR 4023</td>
<td>Coastal and Marine Environments</td>
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</tr>
</tbody>
</table>

Field Experience or Internship 3-9

<table>
<thead>
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<th>Course Title</th>
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<tr>
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</tr>
<tr>
<td>ANT 4835</td>
<td>Maritime Archaeological Field Methods</td>
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</tr>
<tr>
<td>BSC 3948</td>
<td>Service Learning Field Study II</td>
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<tr>
<td>EVR 4941</td>
<td>Practicum in Environmental Studies</td>
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<tr>
<td>GIS 4071</td>
<td>Methods and Techniques in Environmental Resource Management and Planning</td>
<td></td>
</tr>
<tr>
<td>HIS 4955</td>
<td>Overseas and Field Study in History</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 18-24

Major-Related

3000/4000 level advisor-approved electives 36

Total Hours: 36

Students may select electives from any field, although the following fields are preferred:

- Anthropology/Archaeology
- Art History
- Biology
- Economics
- Environmental Studies
- Foreign Language
- Geography
- History
- Political Science/International Studies
- Leisure
- Public Policy
- Public Administration

Upper Division Electives
Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3137</td>
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<td>3</td>
</tr>
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<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy (*)</td>
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</tr>
<tr>
<td>HIS 4284</td>
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<td>3</td>
</tr>
<tr>
<td>INR 4403</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>EVR 4023</td>
<td>Coastal and Marine Environments</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 15

* Or both ECO 2013 Principles of Economics Macro and ECO 2023 Principles of Economics Micro - 6 sh

Minors

Maritime Studies
The Maritime Studies Minor is a supplement to majors other than Maritime Studies and is for those who want a minimal background in the subject to prepare for employment in fields related to the subject including, but not limited to:

- Anthropology
- Biology
- Environmental Studies
- Government
- History

A grade of “C” or better is required in all courses used to satisfy the minor.

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
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<tr>
<td>INR 4403</td>
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<tr>
<td>EVR 4023</td>
<td>Coastal and Marine Environments</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 15

* Or both ECO 2013 Principles of Economics Macro and ECO 2023 Principles of Economics Micro - 6 sh
Marketing

In today’s hyper-competitive business environment, it is becoming very clear that for any organization to prosper, it must adopt a market orientation as its guiding management philosophy. Being market oriented simply means that an organization considers the needs and wants of its customers as crucial input in every decision that it makes. To successfully accomplish this goal, the organization must develop and nurture close relationships with its customers. No matter which specialization you choose to pursue, a career in Marketing is at its heart a career in creating and managing these relationships. Marketers are literally the interface between the organization and its customers. The Bachelor of Science in Business Administration (B.S.B.A.) degree prepares students for a variety of careers in the marketing profession. Historically, a large portion of top-level managers in major corporations are promoted from the marketing area. Of course, all successful entrepreneurs must possess highly developed marketing skills. Marketing program students choose one of four specializations.

Comprehensive Marketing Specialization

This specialization prepares students for a broad range of positions in marketing. Students are required to complete five marketing electives from among the courses offered at the 3000 and 4000 levels.

Global Marketing Specialization

This specialization focuses on the issues of marketing in an increasingly global market. Students are required to spend at least one semester at one of UWF’s partner universities abroad studying marketing. This cultural, as well as educational experience, prepares students especially well for positions dealing with the cross-cultural nature of marketing in the global marketplace. Students must complete a specific sequence of courses in this specialization, designed in conjunction with their advisor, at the partner university. To participate in this required part of the program, students must have a minimum 2.50 cumulative GPA. It is recommended, but not required, that during their lower division studies students complete two additional courses in a foreign language beyond the University’s foreign language admission requirement.

Sales Management Specialization

This specialization focuses on issues involved in negotiation, professional selling, and sales management in free market economies. It emphasizes building customer relationships, managing sales staff, and analysis of marketplace opportunities.

Supply Chain Logistics Specialization

The Supply Chain Logistics Specialization prepares students for a variety of careers in the marketing and managing of logistics, transportation, and distribution services. Successful managers possessing formal knowledge and practical experience in supply chain logistics rise to the career ranks of executive management in major corporations. This specialization focuses on developing student’s knowledge in core areas important to creating supply chain logistics strategies, managing transportation and distribution operations, and cross-functional decision-making leveraging logistics resources and competencies. Students are required to complete a Department approved formal 3-month internship within a firm focusing on logistics. The practical experience combined with the series of formal coursework will prepare students especially well for moving directly into career placement within logistics upon graduation.

Program Requirements

In addition to general University requirements, students seeking the B.S.B.A. in Marketing must meet the requirements listed below. A minimum course grade of “C” is required in all College of Business prerequisites, major, and major-related courses.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

| Communication | 6 |
| ENC 1101 | English Composition I | 3 |
| ENC 1102 | English Composition II | 3 |
| Mathematics | 6 |
| MAC 1105 | College Algebra | 3 |
| MAC 1114 | Trigonometry | 3 |
| MAC 1140 | Precalculus Algebra | 3 |
| MAC 2233 | Calculus with Business Applications | 3 |
| MAC 2311 | Analytic Geometry and Calculus I | 4 |
| MAC 2312 | Analytic Geometry and Calculus II | 4 |
| MGF 1106 | Mathematics for Liberal Arts I | 3 |
| MGF 1107 | Mathematics for Liberal Arts II | 3 |
| STA 2023 | Elements of Statistics | 3 |
| Social Sciences | 9 |
Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3
AMH 2010 United States to 1877
AMH 2020 United States since 1877
EUH 1000 Western Perspectives I
EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives: 3
ANT 2000 Introduction to Anthropology
ANT 2100 Introduction to Archaeology
CCJ 2002 Survey of Crime and Justice
DEP 2004 Human Development Across the Lifespan
PSY 2012 General Psychology
SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives: 3
ANT 2400 Current Cultural Issues
CPO 2002 Comparative Politics
ECO 2013 Principles of Economics Macro
FIN 2104 Personal Financial Planning
GEA 2000 Nations and Regions of the World
GEB 1011 Introduction to Business
IDH 1041 Honors Core 2
INR 2002 International Politics
MMC 2000 Principles of Mass Communication
PLA 2013 Survey of American Law
POS 2041 American Politics
SYG 2000 Introduction to Sociology
SYG 2100 Current Social Problems

Humanities 8-9
Choose one course from each of the following clusters of courses

Literature: 3
AML 2072 Sex, Money, and Power in American Literature
IDH 1040 Honors Core 1
LIT 2030 Introduction to Poetry
LIT 2040 Introduction to Drama
LIT 1122 Great Books I
LIT 2100 Introduction to Literature

Fine Arts: 3
ART 1010 Introduction to Art History
ART 2050 Western Survey I: Greek to Renaissance
ART 2051 Western Survey II: Baroque to Contemporary
ART 1015C Exploring Artistic Vision
ART 2821 Art and Visual Culture Today
MUL 2110 Music in Western Civilization
THE 2000 The Theatre Experience
THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
PHI 2010 Introduction to Philosophy
PHI 2100 Introduction to Logic
PHI 2103 Critical Thinking
PHI 2803 Ethics in Contemporary Society
REL 1300 Introduction to World Religions
SPC 2608 Basic Communication Skills

Natural Sciences 7

Take two of the following courses, including at least one with lab:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010-L</td>
<td>General Botany (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology</td>
<td>1</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
<td>3</td>
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<tr>
<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
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</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I *</td>
<td>3</td>
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<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
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<td>CHM 2046</td>
<td>General Chemistry II *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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<tr>
<td>GEO 1200-L</td>
<td>Physical Geography (+Lab)</td>
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<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
<td>3</td>
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<tr>
<td>GLY 2010</td>
<td>Physical Geology *</td>
<td>3</td>
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<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology *</td>
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<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics *</td>
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<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<td>PHY 2048</td>
<td>University Physics I **</td>
<td>3</td>
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<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<td>PHY 2049</td>
<td>University Physics II</td>
<td>3</td>
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<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
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<td>PHY 2053</td>
<td>General Physics I **</td>
<td>3</td>
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<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II *</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 1010-L</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Marketing majors should take the following courses:

Humanities/values and expressions:
SPC 2608 Basic Communication Skills
Mathematics:
STA 2023 Elements of Statistics
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Comprehensive Marketing Specialization

Major

College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

Global Marketing Specialization

Major

College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available to a college or school of business. As such, the College believes that it is in the student’s best interest to take all junior/upper level courses at UWF. These courses are typically taught by academically or professionally qualified faculty members as defined in the College’s policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of transfer courses and acceptance of courses completed more than ten years ago. Students should seek guidance from College of Business advisors on these matters.

Sales Management Specialization

Major

College of Business Core

The College of Business at the University of West Florida is accredited by AACSB International, the highest level of accreditation available
to a college or school of business. As such, the College believes
that it is in the student’s best interest to take all junior/upper level
courses at UWF. These courses are typically taught by academically
or professionally qualified faculty members as defined in the College’s
policy on faculty qualifications.

The College of Business has policies pertaining to acceptance of
transfer courses and acceptance of courses completed more than ten
years ago. Students should seek guidance from College of Business
advisors on these matters.

BUL 3130 Legal Environment of Business 3
FIN 3403 Managerial Finance 3
GEB 3213 Writing for Business: Theory and Practice 3
GEB 3453 Business Ethics and Stakeholder Management 3
GEB 4361 International Business 3
ISM 3011 e-Business Systems Fundamentals 3
MAN 3025 Management Fundamentals 3
MAN 3504 Operations Management 3

Total Hours 30

Sales Management Specialization

MAR 3202 Supply Chain Logistics Management 3
MAR 3370 Information Sources for Business Decisions 3
MAR 3503 Consumer Behavior 3
MAR 4403 Sales Management 3
MAR 4412 Professional Selling Methods 3
MAR 4613 Marketing Research 3
MAR 4803 Marketing Strategy 3
3000/4000 level Marketing elective 3

Total Hours 24

Major Related

3000/4000 level advisor-approved electives 6

Total Hours 6

Supply Chain Logistics Specialization

Major

College of Business Core

The College of Business at the University of West Florida is accredited
by AACSB International, the highest level of accreditation available
to a college or school of business. As such, the College believes
that it is in the student’s best interest to take all junior/upper level
courses at UWF. These courses are typically taught by academically
or professionally qualified faculty members as defined in the College’s
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years ago. Students should seek guidance from College of Business
advisors on these matters.

BUL 3130 Legal Environment of Business 3
FIN 3403 Managerial Finance 3
GEB 3213 Writing for Business: Theory and Practice 3
GEB 3453 Business Ethics and Stakeholder Management 3
GEB 4361 International Business 3
ISM 3011 e-Business Systems Fundamentals 3
MAN 3025 Management Fundamentals 3
MAN 3504 Operations Management 3
MAN 4720 Policy Analysis and Formulation 3
MAR 3023 Marketing Fundamentals 3

Total Hours 30

Supply Chain Logistics Specialization

MAN 3550 Introduction to Management Science 3
MAR 3202 Supply Chain Logistics Management 3
MAR 3503 Consumer Behavior 3
MAR 4412 Professional Selling Methods 3
MAR 4803 Marketing Strategy 3
TRA 3153 Strategic Transportation Management 3

Choose one of the following: 3

MAR 3860 Customer Relationship Management
MAR 4156 Seminar in International Marketing
MAR 4231 Retail Strategy
MAR 4841 Services Marketing
MAR 4941 Marketing Internship

Choose one of the following: 3

ECO 4431 Business and Economic Forecasting
MAR 4613 Marketing Research

Total Hours 24

Major-related

3000/4000 level advisor-approved electives 6

Total Hours 6

Minors

All courses in minors must be completed with a “C” or better.

Business

The Minor in Business is designed to provide the non-business
major with professional skills necessary for positions in business
and industry. The curriculum is conceived as a broad introduction to
several areas of business. Business majors may not earn this minor.

The Business Minor requires a minimum of 18 sh of course work. At
least 12 sh must be upper-level courses, and 9 sh of those must be
completed at UWF. All courses must be completed with a grade of
“C” or higher. Students should complete MAC 1105 College Algebra,
STA 2023 Elements of Statistics, and any computer literacy course
before enrolling in required courses.

If a student completes equivalent work at the lower division level,
the student must select upper-level business electives in the area of
interest to complete the required 12 sh of upper-level work.

ACG 3082 Accounting for Non-Majors 3
or ACG 2021 Principles of Financial Accounting
& ACG 2071 and Principles of Managerial Accounting

ECO 3003 Principles of Economic Theory and Public Policy 3
or ECO 2013 Principles of Economics Macro
& ECO 2023 and Principles of Economics Micro

FIN 3403 Managerial Finance 3
MAN 3025 Management Fundamentals 3
MAR 3023 Marketing Fundamentals 3
3000/4000 level Business elective 3

Total Hours 18
Undergraduate Degrees and Areas of Specialization

Marketing

The Minor in Marketing requires completion of the following courses of which 9 sh of upper division course work must be taken at UWF. Marketing majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4412</td>
<td>Professional Selling Methods</td>
<td>3</td>
</tr>
<tr>
<td>3000/4000 level Marketing (MAR) Electives</td>
<td>6</td>
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</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 18

Marketing Applications

The Minor in Marketing Applications is designed for and only available to non-business majors. Marketing majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
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</table>

Choose four of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAR 3370</td>
<td>Information Sources for Business Decisions</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3503</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4231</td>
<td>Retail Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4324</td>
<td>Integrated Marketing Communications: Principles</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4333</td>
<td>Integrated Marketing Communications: Management</td>
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</tr>
<tr>
<td>MAR 4403</td>
<td>Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4412</td>
<td>Professional Selling Methods</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4721</td>
<td>Internet Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4841</td>
<td>Services Marketing</td>
<td>3</td>
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<tr>
<td>3000/4000 (Marketing advisor approved)</td>
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</tbody>
</table>

Total Hours: 15

Certificates

Marketing Technology Certificate

Department: Marketing

Semester Hours: 12

This certificate is designed to enable students to earn additional credentials within the requirements of their current degree programs. The Certificate in Marketing Technology was developed in answer to the high demand of persons skilled in the basic techniques of e-commerce.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4721</td>
<td>Internet Marketing Principles</td>
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<tr>
<td>MAR 4728</td>
<td>High Tech Product Marketing Strategy</td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MAR 3202</td>
<td>Supply Chain Logistics Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3370</td>
<td>Information Sources for Business Decisions</td>
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<td>MAR 3860</td>
<td>Customer Relationship Management</td>
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</table>

Total Hours: 12

Sales Management Certificate

Department: Marketing

Semester Hours: 12

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<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4403</td>
<td>Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4412</td>
<td>Professional Selling Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

One marketing elective

Total Hours: 12
Mathematics

The B.S. in Mathematics prepares students for graduate study; teaching; service in science, government and industry; and supporting roles in the social, biological, and physical sciences. This program emphasizes mathematics and statistics and provides students with considerable flexibility in choosing electives outside the major. It is recommended that students seek the advice of faculty regarding career opportunities and choice of a suitable minor.

Program Requirements

In addition to University’s general requirements, students seeking the B.S. in Mathematics must meet the requirements listed below.

Students should consult with their academic advisor for courses which may satisfy both the general education requirements and prerequisites. A grade of C- or better is required for all Major courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tbody>
<tr>
<td>ENC 1101 English Composition I</td>
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<td>ENC 1102 English Composition II</td>
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<thead>
<tr>
<th>Mathematics</th>
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<tr>
<td>MAC 1105 College Algebra</td>
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<td>MAC 1114 Trigonometry</td>
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<tr>
<td>MAC 1140 Precalculus Algebra</td>
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<tr>
<td>MAC 2233 Calculus with Business Applications</td>
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<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td>4</td>
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<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
<td>3</td>
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<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences                                  | 9 |

Choose one course from each of the following clusters of courses

### Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

### Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2202 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2102 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

### Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2103 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2101 Current Social Problems

### Humanities

Choose one course from each of the following clusters of courses

#### Literature:

- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 2122 Great Books I
- LIT 2100 Introduction to Literature

#### Fine Arts:

- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

#### Contemporary Values and Expressions:

- PHI 2101 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

### Natural Sciences

- 7
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Common Prerequisites

- May be taken with or without lab.
- General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 1

Major

- Linear Algebra
- Applied Statistics
- Set Theory and Mathematical Logic
- Numerical Analysis
- Introduction to Mathematical Statistics
- Advanced Calculus I
- Abstract Algebra
- Undergraduate Proseminar in Mathematics/Statistics
- 3000/4000 level advisor-approved mathematics or statistics electives

Total Hours 32

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 sh in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 28

Minors

Mathematics

A Minor in Mathematics requires completion of the calculus sequence in addition to the completion of 15 sh approved by the Department of Mathematics and Statistics in courses beyond the level of MAC 2313 Analytic Geometry and Calculus III. A list of approved courses may be obtained from the department. A grade of C- or better is required for each of these courses, including the calculus sequence. Mathematics majors may not earn this minor.
Microsoft Systems Administration Certificate

Department: Continuing Education
Method of Instruction: Online or Classroom
Semester Hours: 12
Tuition and fees: $4500.00

Microsoft Systems Administration is being taught in an effort to meet the growing demand for quality professionals in the information technology industry. The University of West Florida’s IT Academy provides high demand certification opportunities. The coursework aids career changers as well as existing IT professionals looking to advance their careers. Professionals recognize Microsoft IT credentials among the top certifications requested by public and private employers. Systems administrators manage and maintain complex computing environments of medium to large sized organizations.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CGS 3284</td>
<td>Network Management and Design</td>
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</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>
Music

Semester Hours required for degree: 120

The B.M. in Music is designed to prepare students for careers in the field of music. Permission to major or minor in music is granted by the department and an audition is required.

The Department of Music has held accreditation by the National Association of Schools of Music since 1971. All music courses have been approved by the National Association of Schools of Music.

Contact the Department of Music for details about scholarships offered through the department.

Program Requirements

In addition to the University’s general requirements, students seeking the B.M. in Music Performance must meet the requirements listed below.

To be admitted into the program, students must audition for the faculty at least one semester prior to enrollment into the program. Entering freshmen are advised to contact the Department of Music in the fall semester of their senior year in high school in order to secure information regarding scholarship auditions and general information about the degree plan of their choice. Scholarship auditions are generally scheduled in February and April of each academic year.

Transfer students are advised to contact the Department of Music one semester prior to their anticipated date of enrollment in order to ensure a smooth transition into the music curriculum at UWF. Transcripts will be evaluated by the Program Director prior to enrollment into the program. Transfer students must take diagnostic exams in Theory, Aural Skills and Piano the results of which will help for placement in the respective areas.

In addition to the course requirements, the Department of Music requires the following of its majors:

- All students must pass the UWF Piano Proficiency Examination prior to enrolling in upper division music theory courses—Structure and Style, Instrumentation, or Counterpoint.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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<td>ENC 1102</td>
<td>English Composition II</td>
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<td>MAC 1114</td>
<td>Trigonometry</td>
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<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
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<td>STA 2023</td>
<td>Elements of Statistics</td>
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<tr>
<td>Social Sciences</td>
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<tr>
<td>Choose one course from each of the following clusters of courses</td>
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<tr>
<td>Social Sciences: Historical Perspectives:</td>
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<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>EUH 1001</td>
<td>Western Perspectives II</td>
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<td>Survey of Criminal Justice</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>GEB 2101</td>
<td>Introduction to Business</td>
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<td>Honors Core 2</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<tr>
<td>PLA 2103</td>
<td>Survey of American Law</td>
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<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities 8-9
Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core I
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

**Fine Arts:**
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 2821 Art and Visual Culture Today
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

- ANT 2511 Biological Anthropology
- ANT 2511L Biological Anthropology Lab
- AST 3033 Modern Astronomy
- BOT 2010-L General Botany (+Lab)
- BSC 1005 General Biology for Non-Majors
- BSC 1005L General Biology Laboratory for Non-Majors
- BSC 1050 Fundamentals of Ecology
- BSC 1085 Anatomy and Physiology I
- BSC 1085L Anatomy and Physiology I Laboratory
- BSC 1086 Anatomy and Physiology II
- BSC 1086L Anatomy & Physiology II Laboratory
- BSC 2311 Introduction to Oceanography and Marine Biology
- BSC 2311L Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060 Excursions in Computing
- CGS 2060L Excursions in Computing Lab
- CHM 1020 Concepts in Chemistry
- CHM 1020L Concepts in Chemistry Lab
- CHM 1032 Fundamentals of General Chemistry
- CHM 1032L Fundamentals of General Chemistry Laboratory
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Laboratory
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Laboratory
- GEO 1200-L Physical Geography (+Lab)
- GEO 2330 Environmental Science
- GLY 2010 Physical Geology
- GLY 2010L Physical Geology Laboratory
- MCB 1000 Fundamentals of Microbiology
- MCB 1000L Fundamentals of Microbiology Laboratory
- PHY 1020 Introduction to Concepts in Physics
- PHY 1020L Introduction to Concepts in Physics Laboratory
- PHY 2048 University Physics I
- PHY 2048L University Physics I Lab
- PHY 2049 University Physics II
- PHY 2049L University Physics II Lab
- PHY 2053 General Physics I
- PHY 2053L General Physics I Laboratory
- PHY 2054 General Physics II
- PHY 2054L General Physics II Laboratory
- PHY 2054L General Physics II Laboratory
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- PHY 2054L General Physics II Laboratory
- PHZ 1450 Exotic Physics
- ZOO 1010-L General Zoology (+Lab)

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/lfvc/portal/Home_Page/Student%20Services/College_Transfer_Center/)
Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Secondary Piano Proficiency is satisfied by examination; a total of 6 sh is required. The remaining 2-4 sh are subtracted from Upper Division Requirements.

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<td>Ensemble (1 sh for 4 semesters)</td>
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<td>Freshman Theory</td>
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<tr>
<td>MUT 1112</td>
<td>Freshman Theory II</td>
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<td>MUT 1272</td>
<td>Freshman Theory II Lab</td>
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</tr>
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<td>MUT 2116</td>
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<td>MUT 2117</td>
<td>Sophomore Theory II</td>
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</tr>
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<td>MUT 2276</td>
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<td>MUT 2277</td>
<td>Sophomore Theory II Lab</td>
<td>1</td>
</tr>
<tr>
<td>MVX 131X</td>
<td>Freshman Applied Music *</td>
<td>6</td>
</tr>
<tr>
<td>MVX 232X</td>
<td>Sophomore Applied Music *</td>
<td>6</td>
</tr>
</tbody>
</table>

* Only 2 sh required by statewide common prerequisites.

### Major

Music Performance prepares students for further studies at the graduate level in preparation for a career in concert performance.

**Performance Core:**

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</tr>
<tr>
<td>MUH 3212</td>
<td>History of Western Music II: 18th through 20th Centuries</td>
<td></td>
</tr>
<tr>
<td>MUT 3401</td>
<td>Techniques of Counterpoint</td>
<td></td>
</tr>
<tr>
<td>MUT 3611</td>
<td>Musical Structure and Style</td>
<td></td>
</tr>
<tr>
<td>MUT 4311</td>
<td>Instrumentation</td>
<td></td>
</tr>
<tr>
<td>MVX 4xxx</td>
<td>Senior Recital</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**

Performance Specialization:

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<th>Course Code</th>
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<tbody>
<tr>
<td>MUN 3xxx</td>
<td>Ensemble 1</td>
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</tr>
<tr>
<td>MUN 3xxx</td>
<td>Chamber Music 2</td>
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</tr>
<tr>
<td>MVX 3970</td>
<td>Junior Recital</td>
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</tr>
<tr>
<td>MVX 3xxx</td>
<td>Junior Applied Music 3</td>
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</tr>
<tr>
<td>MVX 4xxx</td>
<td>Senior Applied Music 3</td>
<td></td>
</tr>
<tr>
<td>3000/4000</td>
<td>advisor-approved Music Electives</td>
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</tr>
<tr>
<td>Lower division applied music hours not required by state common prerequisites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one of the following (appropriate for primary instrument):</td>
<td></td>
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</tr>
<tr>
<td>MUE 4411</td>
<td>Special Methods/Choral Techniques</td>
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</tr>
<tr>
<td>MUE 4493</td>
<td>Special Methods/Instrumental Techniques</td>
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<tr>
<td>Choose one of the following (appropriate for primary instrument):</td>
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<tr>
<td>MUL 3503</td>
<td>Symphonic and String Literature</td>
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<tr>
<td>MUL 3551</td>
<td>Band and Wind Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3602</td>
<td>Vocal Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3643</td>
<td>Choral Literature</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**

**Music**

Students wishing to obtain a Minor in Music should meet with the Program Director before submitting the minor change request. 12 sh of lower division courses and 12 sh of upper division courses outlined below must be completed. At least 9 sh of the upper division course work must be completed at UWF. Music majors may not earn this minor.

**Total Hours**

1. 1 sh each taken for 4 semesters
2. 2 sh each taken for 2 semesters
3. May include applied lessons, ensembles, or other courses offered at the 3000/4000 level.

### Minors

Music

Students wishing to obtain a Minor in Music should meet with the Program Director before submitting the minor change request. 12 sh of lower division courses and 12 sh of upper division courses outlined below must be completed. At least 9 sh of the upper division course work must be completed at UWF. Music majors may not earn this minor.

**Total Hours**

1. 1 sh each taken for 4 semesters
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3. May include applied lessons, ensembles, or other courses offered at the 3000/4000 level.

### Minors

Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Secondary Piano Proficiency is satisfied by examination; a total of 6 sh is required. The remaining 2-4 sh are subtracted from Upper Division Requirements.

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</tr>
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<td>MVX 131X</td>
<td>Freshman Applied Music *</td>
<td>6</td>
</tr>
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<td>Sophomore Applied Music *</td>
<td>6</td>
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</tbody>
</table>

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### Major

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<td>History of Western Music II: 18th through 20th Centuries</td>
<td></td>
</tr>
<tr>
<td>MUT 3401</td>
<td>Techniques of Counterpoint</td>
<td></td>
</tr>
<tr>
<td>MUT 3611</td>
<td>Musical Structure and Style</td>
<td></td>
</tr>
<tr>
<td>MUT 4311</td>
<td>Instrumentation</td>
<td></td>
</tr>
<tr>
<td>MVX 4xxx</td>
<td>Senior Recital</td>
<td></td>
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</table>

**Total Hours**

Performance Specialization:

<table>
<thead>
<tr>
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<th>Course Name</th>
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<tbody>
<tr>
<td>MUN 3xxx</td>
<td>Ensemble 1</td>
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<tr>
<td>MUN 3xxx</td>
<td>Chamber Music 2</td>
<td></td>
</tr>
<tr>
<td>MVX 3970</td>
<td>Junior Recital</td>
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</tr>
<tr>
<td>MVX 3xxx</td>
<td>Junior Applied Music 3</td>
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<tr>
<td>MVX 4xxx</td>
<td>Senior Applied Music 3</td>
<td></td>
</tr>
<tr>
<td>3000/4000</td>
<td>advisor-approved Music Electives</td>
<td></td>
</tr>
<tr>
<td>Lower division applied music hours not required by state common prerequisites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one of the following (appropriate for primary instrument):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUE 4411</td>
<td>Special Methods/Choral Techniques</td>
<td></td>
</tr>
<tr>
<td>MUE 4493</td>
<td>Special Methods/Instrumental Techniques</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following (appropriate for primary instrument):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUL 3503</td>
<td>Symphonic and String Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3551</td>
<td>Band and Wind Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3602</td>
<td>Vocal Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3643</td>
<td>Choral Literature</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**

1. 1 sh each taken for 4 semesters
2. 2 sh each taken for 2 semesters
3. May include applied lessons, ensembles, or other courses offered at the 3000/4000 level.
Music Education

Semester Hours required for degree: 134

The B.M.E. is designed for students seeking careers in the field of music education and prepares graduates to teach music in public and private schools. The Department of Music has held accreditation by the National Association of Schools of Music (NASM) since 1971. All music courses and specializations have been approved by the National Association of Schools of Music.

The Music Education Bachelor's degree is an FLDOE approved program which is accredited by the National Association of Schools of Music (NASM) and a part of the UWF Professional Education Unit accredited by the Council for the Accreditation of Educator Preparation (CAEP).

Permission to major in music is required through audition and application to the department. In addition to successful completion of all coursework, students must pass the Florida Teaching Certification Exams including General Knowledge, Professional Education and the Music Subject Area.

Contact the Department of Music for details about scholarships offered through the department.

Program Requirements

In addition to the University's general requirements, students seeking the B.M.E. must meet the requirements listed below.

To be admitted into the program, students must audition for the faculty at least one semester prior to enrollment into the program. Entering freshmen are advised to contact the Department of Music in the fall semester of their senior year in high school in order to secure information regarding scholarship auditions and general information about the degree plan of their choice. Scholarship auditions are generally scheduled in February and April of each academic year.

Transfer students are advised to contact the Department of Music one semester prior to their anticipated date of enrollment in order to ensure a smooth transition into the music curriculum at UWF. Transcripts will be evaluated by the Program Director prior to enrollment into the program.

In addition to the course requirements, the Department of Music requires the following of its majors:

- All majors must attend a minimum number of concerts or recitals each semester in residence; the minimum number is determined by the number of concerts or recitals presented during the semester. The concerts or recitals may include faculty recitals, student recitals, symphony concerts, Music Hall Artists Series concerts, and any other program of “classical” nature approved by the faculty.
- All students using the practice facilities must be on an access list generated by the Music Department Office each semester.
- In addition to successful completion of coursework, the student must pass the three Florida Teaching Certification Exams (FTCE - General Knowledge, Subject Matter and Professional Area) to be eligible for an FLDOE letter of eligibility for certification in Florida. The General Knowledge exam must be completed prior to student teaching. The Subject Matter and Professional Area exams must be completed before graduation.

- All Students must earn a minimum Major GPA of 2.5 in order to graduate.
- All students must earn a minimum grade of “C-” in all major courses or the course(s) in question will need to be retaken.
- All students must pass the UWF Piano Proficiency Examination in the same semester that they complete Sophomore Theory II. If piano is the principal instrument, the student is not required to take the UWF Piano Proficiency Examination.
- All students must pass MUT 2117 (Sophomore Theory II) or the UWF Music Theory Placement Examination, and the UWF Piano Proficiency prior to enrolling in enrolling in upper division music theory courses--Structure and Style, Instrumentation, or Counterpoint.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tbody>
<tr>
<td>ENC 1101 Electrical Composition I</td>
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<tr>
<td>ENC 1102 Electrical Composition II</td>
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</table>

<table>
<thead>
<tr>
<th>Mathematics</th>
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<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114 Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140 Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
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</table>

| Social Sciences | 9 |
Choose one course from each of the following clusters of courses

**Social Sciences: Historical Perspectives:**
- AMH 1010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

**Social Sciences: Behavioral Perspectives:**
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

**Social Sciences: Socio-Political Perspectives:**
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Current Social Problems

**Humanities**

Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

**Fine Arts:**
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 210 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

Take two of the following courses, including at least one with lab:

**ANT 2511 Biological Anthropology**
**ANT 2511L Biological Anthropology Lab**
**AST 3033 Modern Astronomy**
**BOT 2010L General Botany (+Lab)**
**BSC 1005 General Biology for Non-Majors**
**BSC 1005L General Biology Laboratory for Non-Majors**
**BSC 1050 Fundamentals of Ecology**
**BSC 1085 Anatomy and Physiology I**
**BSC 1085L Anatomy and Physiology I Laboratory**
**BSC 1086 Anatomy and Physiology II**
**BSC 1086L Anatomy & Physiology II Laboratory**
**BSC 2311 Introduction to Oceanography and Marine Biology**
**BSC 2311L Introduction to Oceanography and Marine Biology Laboratory**
**CGS 2060 Excursions in Computing**
**CGS 2060L Excursions in Computing Lab**
**CHM 1020 Concepts in Chemistry**
**CHM 1020L Concepts in Chemistry Lab**
**CHM 1032 Fundamentals of General Chemistry**
**CHM 1032L Fundamentals of General Chemistry Laboratory**
**CHM 2045 General Chemistry I**
**CHM 2045L General Chemistry I Laboratory**
**CHM 2046 General Chemistry II**
**CHM 2046L General Chemistry II Laboratory**
**CGS 2060L Excursions in Computing Lab**
**CGS 2060L Excursions in Computing Lab**
**CGS 2060L Excursions in Computing Lab**
**CHM 1020 Concepts in Chemistry**
**CHM 1020L Concepts in Chemistry Lab**
**CHM 1032 Fundamentals of General Chemistry**
**CHM 1032L Fundamentals of General Chemistry Laboratory**
**CHM 2045 General Chemistry I**
**CHM 2045L General Chemistry I Laboratory**
**CHM 2046 General Chemistry II**
**CHM 2046L General Chemistry II Laboratory**
**GEO 1200L Physical Geography (+Lab)**
**GEO 2330 Environmental Science**
**GLY 2010 Physical Geology**
**GLY 2010L Physical Geology Laboratory**
**MCB 1000 Fundamentals of Microbiology**
**MCC 1000L Fundamentals of Microbiology Laboratory**
**PHY 1020 Introduction to Concepts in Physics**
**PHY 1020L Introduction to Concepts in Physics Laboratory**
**PHY 2048 University Physics I**
**PHY 2048L University Physics I Lab**
**PHY 2049 University Physics II**
**PHY 2049L University Physics II Lab**
**PHY 2053 General Physics I**
**PHY 2053L General Physics I Laboratory**
**PHY 2054 General Physics II**
**PHY 2054L General Physics II Laboratory**
**PHZ 1450 Exotic Physics**
**ZOO 1010L General Zoology (+Lab)**

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/)
Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Secondary Piano Proficiency is satisfied by examination; the B.M.E. requires 4 sh. The remaining 2-4 sh are subtracted from Upper Division Requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDF 1005</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Teaching Diverse Populations</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>MUN xxxx Ensemble *</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MUT 1111</td>
<td>Freshman Theory</td>
<td>3</td>
</tr>
<tr>
<td>MUT 1112</td>
<td>Freshman Theory II</td>
<td>3</td>
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<tr>
<td>MUT 1271</td>
<td>Freshman Theory Lab</td>
<td>1</td>
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<tr>
<td>MUT 2116</td>
<td>Sophomore Theory</td>
<td>3</td>
</tr>
<tr>
<td>MUT 2117</td>
<td>Sophomore Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUT 2276</td>
<td>Sophomore Theory I Lab</td>
<td>1</td>
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<td>MUT 2277</td>
<td>Sophomore Theory II Lab</td>
<td>1</td>
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<td>MVx 131x Freshman Applied Music +</td>
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<tr>
<td>MVx 232x Sophomore Applied Music +</td>
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</table>

Total Hours: 33-37

* 1 sh for 4 semesters
+ Only 2 sh required by statewide common prerequisites.

Major

Music Performance Core:

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MUG 2101</td>
<td>Conducting</td>
</tr>
<tr>
<td>MUH 3211</td>
<td>History of Western Music I: End of Ancient World Through 17th Century</td>
</tr>
<tr>
<td>MUH 3212</td>
<td>History of Western Music II: 18th through 20th Centuries</td>
</tr>
<tr>
<td>MUT 3401</td>
<td>Techniques of Counterpoint</td>
</tr>
<tr>
<td>MUT 3611</td>
<td>Musical Structure and Style</td>
</tr>
<tr>
<td>MUT 4311</td>
<td>Instrumentation</td>
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Music Teaching Core:

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<tbody>
<tr>
<td>MUE 2040</td>
<td>Introduction to Music Teaching</td>
</tr>
<tr>
<td>MUE 4411</td>
<td>Special Methods/Choral Techniques</td>
</tr>
<tr>
<td>MUE 4493</td>
<td>Special Methods/Instrumental Techniques</td>
</tr>
<tr>
<td>MUE 4940</td>
<td>Music Education Internship</td>
</tr>
<tr>
<td>MVx 3xxx Junior Applied Music +</td>
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</tr>
<tr>
<td>MUN xxxx Ensemble +</td>
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</tr>
</tbody>
</table>

Choose one of the following (appropriate to primary area of interest):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 3311</td>
<td>Methods for the Elementary School Music Teacher</td>
</tr>
<tr>
<td>MUE 4330</td>
<td>Music in the Middle and Secondary Schools</td>
</tr>
</tbody>
</table>

Choose one of the following (appropriate to primary instrument):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 3602</td>
<td>Vocal Literature</td>
</tr>
<tr>
<td>MUL 3551</td>
<td>Band and Wind Literature</td>
</tr>
<tr>
<td>MUL 3503</td>
<td>Symphonic and String Literature</td>
</tr>
<tr>
<td>MUL 3643</td>
<td>Choral Literature</td>
</tr>
</tbody>
</table>

Choose from the following 10 sh (appropriate to instruments):

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<th>Course Title</th>
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<tbody>
<tr>
<td>MUE 3312</td>
<td>Kodaly Method</td>
</tr>
<tr>
<td>MUE 4343</td>
<td>String Methods and Materials</td>
</tr>
<tr>
<td>MUE 4451</td>
<td>Woodwind Instrument Methods and Materials</td>
</tr>
<tr>
<td>MUE 4465</td>
<td>Brass Instrument Methods and Materials</td>
</tr>
<tr>
<td>MUE 4475</td>
<td>Percussion Methods and Materials</td>
</tr>
<tr>
<td>MVV 4640</td>
<td>Vocal Pedagogy</td>
</tr>
<tr>
<td>MUS 2241</td>
<td>Diction for Singers I: Italian</td>
</tr>
<tr>
<td>MUS 3253</td>
<td>Diction for Singers II: French/German</td>
</tr>
<tr>
<td>MVK 4641</td>
<td>Piano Pedagogy</td>
</tr>
<tr>
<td>MVK 4932</td>
<td>Piano Interpretation</td>
</tr>
</tbody>
</table>

Education Core:

<table>
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<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education</td>
</tr>
<tr>
<td>EDG 3323C</td>
<td>General Methods for Teaching K-12 Students</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>ESOL Principles and Practices</td>
</tr>
</tbody>
</table>

Choose one from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 4302</td>
<td>Instruction, Management, and Assessment-Elementary</td>
</tr>
<tr>
<td>EDM 4310</td>
<td>Instruction, Management, and Assessment-Middle</td>
</tr>
<tr>
<td>ESE 4322</td>
<td>Instruction, Management, and Assessment: Secondary Education</td>
</tr>
</tbody>
</table>

Total Hours: 61

* 2 sh for 2 semesters
+ 1 sh for 2 semesters
Nursing

The B.S.N. prepares students to become clinical generalists who are leaders, managers, and life-long learners who integrate research findings into their nursing practice. The nursing graduate of the UWF program will be capable of using the nursing process with clients of all ages, with diverse backgrounds in a variety of health care settings. The program refines clinical skills and stimulates the awareness of research applications, the practice of active inquiry, the ability to think and respond critically, and the desire for advanced study. This program provides a service to the health care community by increasing the number of nurses who practice professional nursing. The program also serves the population’s health needs by providing quality nursing care.

This is a limited access program and acceptance to the University does not constitute admission to the upper division nursing program. A separate application must be made to the department.

Admission Requirements

In addition to the University’s general admission requirements as described in the Undergraduate Admissions section of the catalog, students seeking the B.S.N. must meet the following additional requirements at the time of application:

- Minimum overall GPA 3.0 on 4.0 scale
- Minimum score of 73% on TEAS entrance exam
- On track to complete all General Education requirements including foreign language prior to enrollment in major coursework
- Completion of all Nursing Common pre-requisites with a grade of “C” or better prior to nursing application deadline date of March 1st
- Documentation of required Nursing Program immunizations

Upon admission the B.S.N. student will receive information concerning current UWF Nursing requirements for enrollment. These include, but may not be limited to, student health physical examination; hospital required immunizations; Level 2 criminal background check; VECHS fingerprinting; AHA BCLS certification; and drug screen.

Degree Requirements

Students earning a B.S.N. must complete the General Studies, Foreign Language, and Nursing Common Pre-requisites prior to entry into the Nursing Program. Please note: nursing common pre-requisites must be completed prior to nursing application deadline date of March 1st

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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<td>English Composition II</td>
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<tr>
<td>Mathematics</td>
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Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
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</table>

Social Sciences: Historical Perspectives:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td>3</td>
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<tr>
<td>CCO 2002</td>
<td>Survey of Crime and Justice</td>
<td>3</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Behavioral Perspectives:

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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>CCO 2002</td>
<td>Comparative Politics</td>
<td>3</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
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<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td>3</td>
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<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities

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<th>Units</th>
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<tr>
<td>MAC 1105</td>
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<td>MAC 2312</td>
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</table>

Students earning a B.S.N. must complete the General Studies, Foreign Language, and Nursing Common Pre-requisites prior to entry into the Nursing Program.
Choose one course from each of the following clusters of courses

Literature:
- AML 2072  Sex, Money, and Power in American Literature
- IDH 1040  Honors Core 1
- LIT 2030  Introduction to Poetry
- LIT 2040  Introduction to Drama
- LIT 1122  Great Books I
- LIT 2100  Introduction to Literature

Fine Arts:
- ARH 1010  Introduction to Art History
- ARH 2050  Western Survey I: Greek to Renaissance
- ART 1015C  Exploring Artistic Vision
- ART 2821  Art and Visual Culture Today
- MUL 2110  Music in Western Civilization
- THE 2000  The Theatre Experience
- THE 2300  Survey of Dramatic Literature

Contemporary Values and Expressions:
- PHI 2010  Introduction to Philosophy
- PHI 2100  Introduction to Logic
- PHI 2103  Critical Thinking
- PHI 2603  Ethics in Contemporary Society
- REL 1300  Introduction to World Religions
- SPC 2608  Basic Communication Skills

Natural Sciences
- ANT 2511  Biological Anthropology
- ANT 2511L  Biological Anthropology Lab
- AST 3033  Modern Astronomy
- BOT 2010-L  General Botany (+Lab)
- BSC 1005  General Biology for Non-Majors
- BSC 1005L  General Biology Laboratory for Non-Majors
- BSC 1050  Fundamentals of Ecology
- BSC 1085  Anatomy and Physiology I
- BSC 1085L  Anatomy and Physiology I Laboratory
- BSC 1086  Anatomy and Physiology II
- BSC 1086L  Anatomy & Physiology II Laboratory
- BSC 2311  Introduction to Oceanography and Marine Biology
- BSC 2311L  Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060  Excursions in Computing
- CGS 2060L  Excursions in Computing Lab
- CHM 1020  Concepts in Chemistry
- CHM 1020L  Concepts in Chemistry Lab
- CHM 1032  Fundamentals of General Chemistry
- CHM 1032L  Fundamentals of General Chemistry Laboratory
- CHM 2045  General Chemistry I
- CHM 2045L  General Chemistry I Laboratory
- CHM 2046  General Chemistry II
- CHM 2046L  General Chemistry II Laboratory
- GEO 1200-L  Physical Geography (+Lab)
- GEO 2330  Environmental Science
- GLY 2010  Physical Geology
- GLY 2010L  Physical Geology Laboratory
- MCB 1000  Fundamentals of Microbiology
- MCB 1000L  Fundamentals of Microbiology Laboratory
- PHY 1020  Introduction to Concepts in Physics
- PHY 1020L  Introduction to Concepts in Physics Lab
- PHY 2048  University Physics I
- PHY 2048L  University Physics I Lab
- PHY 2049  University Physics II
- PHY 2049L  University Physics II LAB
- PHY 2053  General Physics I
- PHY 2053L  General Physics I Laboratory
- PHY 2054  General Physics II
- PHY 2054L  General Physics II Laboratory
- PHZ 1450  Exotic Physics
- ZOO 1010-L  General Zoology (+Lab)

Take two of the following courses, including at least one with lab:
- ANTH 2011
- ANTH 2011L
- AST 3033
- BIO 2010-L
- BSC 1005
- BSC 1005L
- BSC 1050
- BSC 1085
- BSC 1085L
- BSC 1086
- BSC 1086L
- BSC 2311
- BSC 2311L
- CGS 2060
- CGS 2060L
- CHM 1020
- CHM 1020L
- CHM 1032
- CHM 1032L
- CHM 2045
- CHM 2045L
- CHM 2046
- CHM 2046L
- GEO 1200-L
- GEO 2330
- GLY 2010
- GLY 2010L
- MCB 1000
- MCB 1000L
- PHY 1020
- PHY 1020L
- PHY 2048
- PHY 2048L
- PHY 2049
- PHY 2049L
- PHY 2053
- PHY 2053L
- PHY 2054
- PHY 2054L
- PHZ 1450
- ZOO 1010-L

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

BSN majors should take MAC 1105 College Algebra, or MGF 1106 Mathematics for Liberal Arts I, and STA 2023 Elements of Statistics to satisfy the mathematics component, SYG 2000 Introduction to Sociology to satisfy the socio-political perspectives, DEP 2004 Human Development Across the Lifespan to meet the behavioral perspective, and the science courses identified in the common prerequisites to meet the General Studies science requirements.
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

NOTE: Nursing common prerequisites must be completed prior to departmental application deadline date of March 1st with a grade of "C" or better. Grades under a pass/fail (P/F) option will not be accepted for the nursing common pre-requisites.

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>BSC 1085+L</td>
<td>Anatomy and Physiology I (+Lab) +</td>
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<tr>
<td>BSC 1086+L</td>
<td>Anatomy and Physiology II (+Lab) +</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan +</td>
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<td>HSC 2577</td>
<td>Principles of Nutrition</td>
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<tr>
<td>MCB 1000+L</td>
<td>Fundamentals of Microbiology (+Lab)</td>
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<td>STA 2023</td>
<td>Elements of Statistics +</td>
<td>3</td>
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<tr>
<td>One science course from the following prefixes: CHM, BSC, BCH, PCB, PHY</td>
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<tr>
<td>One social science course from the following prefixes: PSY, SOP, SYG+</td>
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</table>

Total Hours: 27

+ Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 62 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

| Total Hours | 0-10 |


Major

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<td>NUR 3145</td>
<td>Pharmacology</td>
<td>3</td>
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<tr>
<td>NUR 3735</td>
<td>Foundations of Medical Surgical Nursing</td>
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<tr>
<td>NUR 3735L</td>
<td>Foundations of Medical Surgical Nursing Clinical Lab</td>
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<td>NUR 3736</td>
<td>Medical Surgical Nursing II</td>
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<tr>
<td>NUR 3736L</td>
<td>Medical Surgical Nursing II Clinical Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>NUR 3535</td>
<td>Psychiatric/Mental Health Nursing</td>
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<td>NUR 3535L</td>
<td>Psychiatric/Mental Health Nursing Clinical Lab</td>
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<td>NUR 3837</td>
<td>Health Care Issues</td>
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<td>NUR 4165</td>
<td>Nursing Research</td>
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<tr>
<td>NUR 4257</td>
<td>Medical-Surgical Nursing III</td>
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<td>Medical-Surgical Nursing III Clinical Laboratory</td>
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<td>NUR 4455</td>
<td>Maternal-Newborn Nursing</td>
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<td>Maternal-Newborn Nursing Clinical Laboratory</td>
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<td>NUR 4615</td>
<td>Family and Community Health Nursing</td>
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<td>NUR 4615L</td>
<td>Family and Community Health Nursing Laboratory</td>
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</tr>
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<td>NUR 4827</td>
<td>Nursing Management and Leadership</td>
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<tr>
<td>NUR 4945L</td>
<td>Nursing Leadership and Management Preceptorship</td>
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</table>

Total Hours: 62

Graduation Requirement

All students must pass an ATI program exit exam during NUR 4827 to qualify for graduation and RN licensing exam.
Nursing, Registered Nurse to Bachelor of Science in Nursing

The Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) track is designed for those students who have already completed the RN program at a community college. This program track is offered via distance learning format and coursework is 100% online with guided practice activities within the RN students' local community.

The curriculum in the Nursing program prepares students to become clinical generalists who are leaders, managers, and life-long learners who integrate research findings into their nursing practice. The nursing graduate of the UWF program will be capable of using the nursing process with clients of all ages, with diverse backgrounds in a variety of health care settings. The program refines clinical skills and stimulates the awareness of research applications, the practice of active inquiry, the ability to think and respond critically, and the desire for advanced study. This baccalaureate program provides a service to the health care community by increasing the number of nurses who practice professional nursing. The program also serves the populations' health needs by providing quality nursing care.

Potential students must have completed the common prerequisites for nursing with a grade of "C" or better and either:

1. Completed the General Studies requirements at the University of West Florida; or
2. Earned an Associate of Arts degree from a Florida public institution; or
3. Earned the equivalent from another college or university

Acceptance to the University does not constitute admission to the upper division nursing program. A separate departmental application must be made to the program; deadlines and applications for the fall and spring terms are accessed on the RN-BSN webpage.

Not all states authorize online programs, if you are residing outside of Florida you will want to check the status of your state’s acceptance of this program: http://onlinecampus.uwf.edu/GetStarted/StateAuthorization.cfm

This program will not meet immigration requirements for students holding an F1 or J1 Visa to maintain status. Contact the International Student Office for further information: http://uwf.edu/internationaloffice/

Admission Requirements

In addition to the University’s general admission requirements as described in the Undergraduate Admissions section of the catalog, students seeking the B.S.N. must meet the following additional requirements at the time of application:

- Associate of Science in Nursing (ASN) degree from a community college
- Minimum overall GPA 3.0 on 4.0 scale
- On track to complete all UWF General Education requirements prior to enrollment in major coursework. An Associate of Arts (AA) degree from a Florida community college will satisfy this requirement.
- On track to complete foreign language requirement prior to enrollment in major coursework
- Completion of all Nursing Common pre-requisites with a grade of "C" or better
- Current unencumbered United States RN license in the state(s) student will reside while completing any portion of the nursing coursework.
- Submission of a departmental application by the published deadline (see website for deadline and to download application)

Upon departmental admission to the RN to BSN program track the student will receive information concerning the procedure for the submission of current UWF Nursing requirements for enrollment. These include, but may not be limited to: Level 2 criminal background check; VECHS fingerprinting; drug screen; RN license(s); and professional liability insurance.

Degree Requirements

Students earning a B.S.N. must complete the General Studies, Foreign Language, and Nursing Common Pre-requisites prior to admission into the RN to BSN Nursing major coursework.

A minimum grade of “C” is required in all major and major-related courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
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<tbody>
<tr>
<td>ENC 1101 English Composition I</td>
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<td>ENC 1102 English Composition II</td>
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<table>
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<tr>
<th>Mathematics</th>
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<td>MAC 1114 Trigonometry</td>
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<td>MAC 1140 Precalculus Algebra</td>
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<td>MAC 2233 Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
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<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
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<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<td>MGF 1107 Mathematics for Liberal Arts II</td>
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<tr>
<td>STA 2023 Elements of Statistics</td>
<td>3</td>
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</table>

| Social Sciences               | 9 |

University of West Florida
Choose one course from each of the following clusters of courses

**Social Sciences: Historical Perspectives:**
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

**Social Sciences: Behavioral Perspectives:**
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology

**Social Sciences: Historical Perspectives:**
- SOW 2192 Understanding Relationships in the 21st Century

**Social Sciences: Socio-Political Perspectives:**
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEO 2000 Nations and Regions of the World
- GEA 2000 Introduction to Business
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

**Humanities**

Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

**Fine Arts:**
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUL 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

Choose two of the following courses, including at least one with lab:

<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Hours</th>
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<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
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<td>Modern Astronomy</td>
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<td>BOT 2100</td>
<td>General Botany (+Lab)</td>
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<td>BSH 1005</td>
<td>General Biology for Non-Majors</td>
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<td>General Biology Laboratory for Non-Majors</td>
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<td>BSH 1050</td>
<td>Fundamentals of Ecology</td>
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<td>Anatomy and Physiology I</td>
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<td>Anatomy and Physiology I Laboratory</td>
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<td>BSH 1086</td>
<td>Anatomy and Physiology II</td>
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<td>BSH 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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<td>BSH 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
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<td>Introduction to Oceanography and Marine Biology Laboratory</td>
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<td>Concepts in Chemistry Lab</td>
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<td>Fundamentals of General Chemistry</td>
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<td>Fundamentals of General Chemistry Laboratory</td>
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<td>General Chemistry I Laboratory</td>
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<td>GEO 1200</td>
<td>Physical Geography (+Lab)</td>
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<td>GEO 2330</td>
<td>Environmental Science</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
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<td>Fundamentals of Microbiology</td>
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<td>Introduction to Concepts in Physics</td>
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<td>ZOO 1010</td>
<td>General Zoology (+Lab)</td>
<td>4</td>
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</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/)
Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

**NOTE: Nursing common prerequisites must be completed prior to admission into the RN to BSN Nursing major coursework.**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
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<td>Anatomy and Physiology I (+Lab) +</td>
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<tr>
<td>BSC 1086+L</td>
<td>Anatomy and Physiology II (+Lab) +</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan +</td>
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<tr>
<td>HSC 2577</td>
<td>Principles of Nutrition</td>
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<tr>
<td>MCB 1000+L</td>
<td>Fundamentals of Microbiology (+Lab)</td>
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<td>STA 2023</td>
<td>Elements of Statistics +</td>
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* Indicates common prerequisites which can be used to satisfy General Studies requirements.

### Major

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<tr>
<td>NUR 4165</td>
<td>Nursing Research</td>
<td>3</td>
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<tr>
<td>NUR 4286</td>
<td>Gerontological Nursing</td>
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</tr>
<tr>
<td>NUR 4636</td>
<td>Community Health Nursing</td>
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<tr>
<td>NUR 4828</td>
<td>Nursing Systems Management</td>
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<td>NUR 4895</td>
<td>Client Education</td>
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<td></td>
<td>3000/4000 Level Nursing Electives</td>
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<td></td>
<td><strong>Total Hours</strong></td>
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### Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
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For students with an AS degree in Nursing from an accredited institution, up to 16 sh of Associate in Science nursing courses will be validated for upper level credit based upon RN licensure and successful completion of the major courses in the program.

A limited amount of upper division nursing coursework may be accepted as transfer credit in the major coursework upon an approved review of syllabus from an NLN or CCNE accredited program.
Philosophy

The B.A degree in Philosophy is an ideal liberal arts major and provides students with foundations for a great number of careers in areas such as business, writing, teaching, public administration, law, environmental advocacy, the social and human services, and advanced studies in other humanities. The degree program helps students develop skills for problem solving in everyday life and emphasizes comprehension, communication, interpretation, criticism, and evaluation.

In addition to its degree program, the Department of Philosophy offers a Professional Certificate in Applied Ethics.

Program Requirements

In addition to the University’s general requirements, students seeking the B.A. in Philosophy must meet the requirements listed below.

Capstone Requirement
During their senior year of study (or during the junior year with the approval of the department Chair), and with the assistance of their advisor, each student will officially designate one of two options as their Capstone Experience: the Capstone Research Project or the Capstone Portfolio. The Research Project is recommended for those planning to attend graduate school in Philosophy, while the Portfolio is recommended for those not planning further formal study in Philosophy. If the Research Project is chosen, it will be embedded in a course in which the student is enrolled that term. At the beginning of that term, it is the student’s responsibility to submit to the Department Chairperson a “Capstone Experience Proposal” (signed by the Instructor of the Capstone Course, if applicable, and the student’s advisor). This will specify the additional research project to be performed within the course, or the material to be included in the portfolio, at the completion of which, the degree requirement will be met. The design of the Capstone Research Project will give the student an opportunity to showcase academic accomplishments in a unified format through the production of a substantial research project. Exemplary projects will be submitted to showcase opportunities on and off campus. Please visit the Department of Philosophy website at http://uwf.edu/philosophy/ for further information on the Capstone Requirement.

Those preparing for graduate work in philosophy should take PHI 3130 Modern Logic to meet the methods requirement and one additional course in history or problems. They should also have the equivalent of two years of college-level study in a foreign language, preferably French or German, before graduation. Students must earn a grade of “C” or higher in all major courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<td>ENC 1102</td>
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Mathematics

<table>
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<td>MAC 1105</td>
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<td>Trigonometry</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
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<tr>
<td>AMH 2010 United States to 1877</td>
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<td>AMH 2020 United States since 1877</td>
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<tr>
<td>EUH 1000 Western Perspectives I</td>
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<th>Social Sciences: Behavioral Perspectives:</th>
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<tr>
<td>ANT 2000 Introduction to Anthropology</td>
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<td>ANT 2100 Introduction to Archaeology</td>
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<td>CCJ 2002 Survey of Crime and Justice</td>
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<td>DEP 2004 Human Development Across the Lifespan</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
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<td>SOW 2192 Understanding Relationships in the 21st Century</td>
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<table>
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<th>Social Sciences: Socio-Political Perspectives:</th>
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<tr>
<td>ANT 2400 Current Cultural Issues</td>
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<td>CPO 2002 Comparative Politics</td>
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<td>MMC 2000 Principles of Mass Communication</td>
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<td>PLA 2013 Survey of American Law</td>
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<td>POS 2041 American Politics</td>
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<td>SYG 2010 Current Social Problems</td>
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Humanities

<table>
<thead>
<tr>
<th>Title</th>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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</table>
Choose one course from each of the following clusters of courses

**Literature:**
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core I
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

**Fine Arts:**
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

<table>
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<td>Biological Anthropology</td>
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<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
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<tr>
<td>BOT 2010-L</td>
<td>General Botany (+Lab)</td>
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<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
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<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>Anatomy and Physiology I Laboratory</td>
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<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<td>Anatomy &amp; Physiology II Laboratory</td>
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<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
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<tr>
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<td>Introduction to Oceanography and Marine Biology</td>
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<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<td>Excursions in Computing Lab</td>
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<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
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<td>GEO 1200-L</td>
<td>Physical Geography (+Lab)</td>
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<td>GEO 2330</td>
<td>Environmental Science</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
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<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<td>MCB 1000L</td>
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<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<td>PHY 2048</td>
<td>University Physics I</td>
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<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<td>PHY 2049</td>
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<td>PHY 2053L</td>
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<td>PHY 2054L</td>
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<tr>
<td>ZOO 1010-L</td>
<td>General Zoology (+Lab)</td>
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</table>

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 24
Undergraduate Degrees and Areas of Specialization

Major

PHH 3100 Greek Philosophy 3
PHH 3400 Modern Philosophy 3
PHI 3130 Modern Logic 3
PHI 3670 Ethics 3

3000/4000 level Philosophy courses (PHH, PHI, PHM, PHP) 9

Choose one of the following: 3
PHI 3640 Environmental Ethics
PHI 4633 Biomedical Ethics
PHM 3200 Social and Political Philosophy
PHM 4020 Philosophy of Sex and Love

Choose one of the following: 3
PHI 3400 Philosophy of Science
PHI 4300 Theory of Knowledge

Choose one of the following: 3
PHI 3320 Philosophy of Mind
PHI 3452 Philosophy of Biology
PHI 3700 Philosophy of Religion
PHI 3800 Philosophy of Art
PHP 3786 Existentialism

Total Hours 30

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 sh in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater. 30

Total Hours 30

Minors

Philosophy

To earn the minor in Philosophy, students must take 12 sh at the upper division. It is recommended that students include at least one history course and one course in methods and problems. Students in the Philosophy specialization may not earn this minor. 12

Total Hours 12

Certificates

Applied Ethics Certificate

Department: Philosophy

Semester Hours: 15

The purpose is to foster our ability to live and respond ethically in the midst of troubling moral issues. The goal is to serve our immediate university community and to provide resources to the local community of Northwest Florida (medical, legal, religious, media and individual). The desire is to interact with our nation to create and promote ethical practice in the world around us.

The Certification in Applied Ethics requires completion of 5 courses (15 credit hours) of significant ethical content chosen from the list below. There is one (1) core course, chosen from two alternatives. The remaining four (4) courses may be chosen from the electives listed below. Similar courses, which may have been taken at UWF or at other institutions, may be substituted to meet requirements with the approval of the Philosophy Chair.

Choose one of the following core courses: 3
PHI 3670 Ethics
PHI 2603 Ethics in Contemporary Society

Choose four of the following electives: 12
ANT 2450 Current Cultural Issues
CCJ 3060 Ethics and the Justice System
COM 4620 Communication Ethics
MMC 4203 Media Ethics
PHI 2603 Ethics in Contemporary Society
PHI 3452 Philosophy of Biology
PHI 3640 Environmental Ethics
PHI 3670 Ethics
PHI 3700 Philosophy of Religion
PHI 4633 Biomedical Ethics
PHM 3032 Environmental Humanities
PHM 3200 Social and Political Philosophy
PHM 4020 Philosophy of Sex and Love
PHP 3786 Existentialism
POS 3625 First Amendment Freedoms
REL 3142 New Perspectives on the Religious Self
REL 4441 Current Religious Issues
SOW 3113 Human Behavior in Organizations and Communities
SYD 3810 Introduction to Women’s Studies
SYG 2010 Current Social Problems

Total Hours 15

* Please note that whichever course is used as the core requirement cannot also be used as an elective. However, whichever you take as core, the other is available as elective. In all cases there must be a total of five (5) distinct courses used for the program.
Physics

The B.S. in Physics gives students access to a basic science that covers the study of matter, radiations, and interactions. The various topics covered include electricity and magnetism, electronics, fluids, mechanics, optics, quantum phenomena, concepts of relativity, thermodynamics, waves, and several related laboratory activities.

The Physics Department offers the traditional B.S. program in Physics with specializations in Physics or Engineering Physics. In addition to graduate school, a trained physicist may enter the employment market as a research scientist. Those with an engineering physics background are eligible for entry-level jobs as engineers in organizations such as the Department of Defense, NASA, and the various national labs.

Students interested in obtaining certification to teach this subject area in secondary education need to contact an advisor in this department to carefully plan the course work to satisfy degree and some teacher certification requirements. A degree in this major is required for participation in teacher education certification options.

Program Requirements

In addition to the University's general requirements, students seeking the B.S. in Physics must meet the requirements listed below.

Students should consult with their Physics department advisor for courses which may satisfy both the General Studies requirements and common prerequisites. Students must have a C- or better in all major and major related pre-requisite courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>English Composition II</td>
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Mathematics

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<td>MAC 1114</td>
<td>Trigonometry</td>
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Social Sciences | 9

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
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<th>Title</th>
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<td>AMH 2020</td>
<td>United States since 1877</td>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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Social Sciences: Behavioral Perspectives:

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<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td>3</td>
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<tr>
<td>CJJ 2002</td>
<td>Survey of Crime and Justice</td>
<td>3</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Socio-Political Perspectives:

<table>
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<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>Nations and Regions of the World</td>
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<tr>
<td>GEB 1011</td>
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<td>IDH 1041</td>
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<td>INR 2002</td>
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<td>Principles of Mass Communication</td>
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<td>Survey of American Law</td>
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<td>3</td>
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<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities | 8-9

Choose one course from each of the following clusters of courses

Literature:

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<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
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<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
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<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
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<td>LIT 2100</td>
<td>Introduction to Literature</td>
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Fine Arts:

<table>
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<tr>
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<th>Credits</th>
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<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
<td>3</td>
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<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
<td>3</td>
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<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
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<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
<td>3</td>
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<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
<td>3</td>
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<td>MUL 2110</td>
<td>Music in Western Civilization</td>
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<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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Contemporary Values and Expressions:

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<td>Introduction to Philosophy</td>
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<td>PHI 2100</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
<td>3</td>
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<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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Natural Sciences | 7
Physics majors should take the following courses to satisfy the natural science component of General Studies.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3701</td>
<td>Digital Logic and Computer Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3701L</td>
<td>Digital Logic and Computer Systems Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>EEE 3308</td>
<td>Electronic Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4308L</td>
<td>Electronics Laboratory</td>
<td>1</td>
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Take two of the following courses, including at least one with lab:

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<tr>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
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<tr>
<td>BOT 2010+L</td>
<td>General Botany (+Lab)</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
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<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
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<td>Introduction to Oceanography and Marine Biology Laboratory</td>
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<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
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<td>CHM 2045</td>
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<td>CHM 2045L</td>
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<td>CHM 2046</td>
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<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
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<tr>
<td>GEO 1200+L</td>
<td>Physical Geography (+Lab)</td>
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<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
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<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
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<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
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<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
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<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
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<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
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<td>PHY 2049L</td>
<td>University Physics II LAB</td>
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<td>PHY 2053</td>
<td>General Physics I</td>
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<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
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<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
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<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
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<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
<td>3</td>
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<tr>
<td>ZOO 1010+L</td>
<td>General Zoology (+Lab)</td>
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</tbody>
</table>

May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisites
State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
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<td>General Chemistry I (+Lab)</td>
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<tr>
<td>CHM 2046-L</td>
<td>General Chemistry II (+Lab)</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<td>Analytic Geometry and Calculus II</td>
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<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
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<td>EEL 3701</td>
<td>Digital Logic and Computer Systems</td>
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<td>Digital Logic and Computer Systems Laboratory</td>
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<td>EEE 3308</td>
<td>Electronic Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4308L</td>
<td>Electronics Laboratory</td>
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</table>

Lower Division Electives
Students must complete sufficient 1000/2000 level electives to satisfy at least 60 credits in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 39

It is recommended that students take a computer programming language course, such as COP 2253 Programming Using Java, COP 2334 Programming Using C++, or equivalent.

Engineering Physics Specialization
Major

Physics Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<td>Modern Physics Laboratory</td>
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<td>PHY 3107</td>
<td>Modern Physics II</td>
<td>3</td>
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<tr>
<td>PHY 3424</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4323</td>
<td>Electricity and Magnetism I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4325</td>
<td>Electricity and Magnetism II</td>
<td>3</td>
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<td>PHY 4513</td>
<td>Thermodynamics and Kinetic Theory</td>
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<td>PHY 4604</td>
<td>Quantum Theory I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4910</td>
<td>Independent Research</td>
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</tr>
<tr>
<td>PHZ 3108</td>
<td>Intermediate-Level Physics Problems</td>
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<tr>
<td>PHZ 4113</td>
<td>Mathematical Physics I</td>
<td>3</td>
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<tr>
<td>PHZ 4114</td>
<td>Mathematical Physics II</td>
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Engineering Physics Specialization

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<td>Engineering Mechanics-Statics</td>
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<td>EGM 3401</td>
<td>Engineering Mechanics-Dynamics</td>
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<tr>
<td>3000-4000 Major or related elective as approved by advisor</td>
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Total Hours: 39

Major-Related

<table>
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<tr>
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<tr>
<td>EEL 3111</td>
<td>Circuits I</td>
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<td>EEL 3117L</td>
<td>Electrical Circuits Laboratory</td>
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<td>Digital Logic and Computer Systems</td>
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<td>EEE 3308</td>
<td>Electronic Circuits I</td>
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<tr>
<td>EEE 4308L</td>
<td>Electronics Laboratory</td>
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Physics Specialization

Major

Physics Core:

PHY 3106  Modern Physics I  3
PHY 3106L Modern Physics Laboratory  2
PHY 3107  Modern Physics II  3
PHY 3220  Intermediate Mechanics  4
PHY 3424  Optics  3
PHY 4323  Electricity and Magnetism I  3
PHY 4325  Electricity and Magnetism II  3
PHY 4445  Lasers and Applications  3
PHY 4513  Thermodynamics and Kinetic Theory  3
PHY 4604  Quantum Theory I  3
PHY 4605  Quantum Theory II  3
PHY 4910  Independent Research  2
PHZ 3108  Intermediate-Level Physics Problems  1
PHZ 4113  Mathematical Physics I  3
PHZ 4114  Mathematical Physics II  3

Physics Specialization:

3000/4000 Physics (PHY, PHZ) elective  4

Total Hours 46

Major-Related

EEL 3111  Circuits I  3
EEL 317L  Electrical Circuits Laboratory  1
MAP 2302  Differential Equations  3
MAD 4401  Numerical Analysis  3
3000/4000 level Physics or Mathematics elective as approved by advisor  4

Total Hours 14

Minors

Physics

A Minor in Physics can be earned by completing 15 sh of physics courses above 3100 level, including PHY 3106 Modern Physics I, PHY 3107 Modern Physics II, and PHY 4323 Electricity and Magnetism I. Physics majors may not earn this minor.
Political Science

The B.A. in Political Science provides students with a foundation in the liberal arts and social sciences. Courses in the degree plan cover fundamental questions pertaining to the governance of human societies, the origin and evolution of law and justice, the comparative performance of democracies and dictatorships, the exercise of political leadership, the origins of war, and the maintenance of peace. Students will analyze competing theories of human nature and political organization subjecting them to the test of reason, history, and experience. The political science major is appropriate for many students, including those seeking a professional degree in government and public service, specific expertise in international security and diplomacy, familiarity with political organizations, and preparation for employment in advocacy, corporate, education, or non-profit sectors.

The Pre-Law Specialization emphasizes core courses in American government, with attention paid to American political thought, constitutional law, and judicial politics. Students then take courses across a broad array of subjects, including political theory, as well as history, economics and business, philosophy, literature, communications, and statistics. The political science/pre-law major is appropriate for students seeking a pre-professional degree in law.

Program Requirements

In addition to the University’s general requirements, students seeking the B.A. in Political Science must meet the following requirements. The average GPA for mandatory core courses must be 2.0.

As a prerequisite, students majoring in Political Science need to earn at least a “C” in POS 2041 American Politics, or to transfer 3 sh of an equivalent lower-division course in American government or political science with a grade of “C” or higher.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements. For a complete listing of students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Communication</th>
<th>Mathematics</th>
<th>Social Sciences</th>
</tr>
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<tr>
<td>ENC 1101 English Composition I</td>
<td>MAC 1105 College Algebra</td>
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</tr>
<tr>
<td>ENC 1102 English Composition II</td>
<td>MAC 1114 Trigonometry</td>
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<tr>
<td>ENC 1103 English Composition II</td>
<td>MAC 1140 Precalculus Algebra</td>
<td>6</td>
</tr>
<tr>
<td>ENC 1104 English Composition II</td>
<td>MAC 2233 Calculus with Business Applications</td>
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<td>ENC 1105 English Composition I</td>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td>4</td>
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<td>ENC 1106 English Composition II</td>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
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<tr>
<td>ENC 1107 English Composition I</td>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<td>ENC 1108 English Composition I</td>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
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<td>ENC 1109 English Composition II</td>
<td>STA 2023 Elements of Statistics</td>
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<td>ENC 1110 English Composition I</td>
<td>POS 2041 American Politics</td>
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<td>ENC 1111 English Composition I</td>
<td>PLA 2013 Survey of American Law</td>
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<td>ENC 1112 English Composition I</td>
<td>INR 2002 International Politics</td>
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<td>ENC 1113 English Composition I</td>
<td>MMC 2000 Principles of Mass Communication</td>
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<td>ENC 1114 English Composition I</td>
<td>SYG 2000 Introduction to Sociology</td>
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<td>SYG 2010 Introduction to Sociology</td>
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<td>MAC 2311 Analytic Geometry and Calculus I</td>
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<td>MAC 2312 Analytic Geometry and Calculus II</td>
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<tr>
<td>ENC 1126 English Composition I</td>
<td>SYG 2010 Introduction to Sociology</td>
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</tbody>
</table>

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

| AMH 2010 United States to 1877 | AMH 2020 United States since 1877 |
| EUH 1000 Western Perspectives I | EUH 1001 Western Perspectives II |

Social Sciences: Behavioral Perspectives:

| ANT 2000 Introduction to Anthropology |
| ANT 2100 Introduction to Archaeology |
| CCJ 2002 Survey of Crime and Justice |
| DEP 2004 Human Development Across the Lifespan |
| PSY 2012 General Psychology |
| SOW 2192 Understanding Relationships in the 21st Century |

Social Sciences: Socio-Political Perspectives:

| ANT 2400 Current Cultural Issues |
| CPO 2002 Comparative Politics |
| ECO 2013 Principles of Economics Macro |
| FIN 2104 Personal Financial Planning |
| GEA 2000 Nations and Regions of the World |
| GEB 1011 Introduction to Business |
| IDH 1041 Honors Core 2 |
| INR 2002 International Politics |
| MMC 2000 Principles of Mass Communication |
| PLA 2013 Survey of American Law |
| POS 2041 American Politics |
| SYG 2000 Introduction to Sociology |
| SYG 2010 Introduction to Sociology |

Humanities

Choose one course from each of the following clusters of courses

Literature:

| AML 2072 Sex, Money, and Power in American Literature |
| IDH 1040 Honors Core 1 |
| LIT 2030 Introduction to Poetry |
| LIT 2040 Introduction to Drama |
| LIT 1122 Great Books I |
| LIT 2100 Introduction to Literature |

Fine Arts:

| ARH 1010 Introduction to Art History |
| ARH 2050 Western Survey I: Greek to Renaissance |
| ARH 2051 Western Survey II: Baroque to Contemporary |
| ART 1015C Exploring Artistic Vision |
| ART 2821 Art and Visual Culture Today |
| MUH 2930 The Music Experience: Special Topics |
| MUL 2110 Music in Western Civilization |
| THE 2000 The Theatre Experience |
| THE 2300 Survey of Dramatic Literature |

Contemporary Values and Expressions:

| PHI 2010 Introduction to Philosophy |
| PHI 2100 Introduction to Logic |
| PHI 2103 Critical Thinking |
| PHI 2603 Ethics in Contemporary Society |
| REL 1300 Introduction to World Religions |
| SPC 2608 Basic Communication Skills |

Natural Sciences

| 8-9 |
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual [http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/](http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Students must complete two introductory courses (6 sh) in Political Science with a POS, INR, or CPO prefix.

**Total Hours:** 6

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

**Total Hours:** 18-21

**Recommended electives:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Political Science Specialization Major**

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT 4601</td>
<td>Modern Masters of Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>or POT 4613</td>
<td>Ancient Masters of Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POS 3413</td>
<td>The Presidency</td>
<td>3</td>
</tr>
<tr>
<td>or POS 3424</td>
<td>The Legislative Process</td>
<td>3</td>
</tr>
<tr>
<td>POS 3033</td>
<td>Analyzing Political Issues (Formerly PUP 3008)</td>
<td>3</td>
</tr>
<tr>
<td>or POS 3734</td>
<td>Political Science Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>POS 3608</td>
<td>Constitutional Law: Federalism and Separation of</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Powers</td>
<td></td>
</tr>
<tr>
<td>or POS 3624</td>
<td>Constitutional Law: Individual Rights and Privileges</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours:** 18-21

**Upper Division Electives**

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 sh in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

**Total Hours:** 21-30

**Pre-Law Specialization Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3424</td>
<td>The Legislative Process</td>
<td>3</td>
</tr>
<tr>
<td>POS 3608</td>
<td>Constitutional Law: Federalism and Separation of</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Powers</td>
<td></td>
</tr>
<tr>
<td>POS 3624</td>
<td>Constitutional Law: Individual Rights and Privileges</td>
<td></td>
</tr>
<tr>
<td>POT 4204</td>
<td>American Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POT 4601</td>
<td>Modern Masters of Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POS 3033</td>
<td>Analyzing Political Issues (Formerly PUP 3008)</td>
<td>3</td>
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</tbody>
</table>

Choose four of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CPO 4314</td>
<td>Democracies</td>
<td>3</td>
</tr>
<tr>
<td>INR 4403</td>
<td>International Law</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours:** 12
Political Science

All courses must be completed at UWF and directed studies may not be taken to fulfill requirements. Political Science majors may not earn this minor.

Choose one of the following: 3
- CPO 2002 Comparative Politics
- INR 2002 International Politics
- POS 2041 American Politics

Choose any two upper-division courses from the following list: 6
- POS 3033 Analyzing Political Issues (Formerly PUP3008)
- Any course with a POS prefix
- Any course with a POT prefix

Choose one of the following: 3
- CPO 3103 Politics of Western Europe
- CPO 3614 Politics of Eastern Europe
- CPO 3513 Politics of the Far East-Japan and China
- CPO 4303 Politics of Spain, Portugal, and Latin America
- CPO 4314 Democracies
- CPO 3055 Dictatorships

Choose any upper-division course with an INR prefix 3

Total Hours 15

Political Science/Pre-Law

The Minor in Political Science/Pre-Law is designed for students who seek to gain a theoretical understanding of the law pursuant to applying to law school. Political Science majors may not earn this minor.

Choose one of the following: 3
- POS 2041 American Politics
- POS 3283 Judicial Process

Choose one of the following: 3
- POS 3608 Constitutional Law: Federalism and Separation of Powers
- POS 3624 Constitutional Law: Individual Rights and Privileges

Choose one of the following: 3
- POT 4204 American Political Thought
- POT 4601 Modern Masters of Political Thought

Choose one of the following: 3
- POS 3625 First Amendment Freedoms
- POS 4673 Jurisprudence

Total Hours 15

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 12

Minors

Political Science minors require 15 sh of course work. A grade of “C” or higher is required in all courses.
Pre-Engineering Specialization

The University offers two bachelor’s degree programs accredited by the Engineering Accreditation Commission of ABET, Inc.: Electrical Engineering and Computer Engineering. Students interested in one of these programs should review the information under Computer Science (p. 110) or Electrical Engineering (p. 132) in this catalog or contact the Department of Electrical and Computer Engineering. Additionally, the University offers several related programs in Computer Science (p. 114) and Physics (p. 233). Please consult their program descriptions in this catalog.

Students who are interested in exploring the field of engineering or pursuing a baccalaureate engineering degree in fields not offered at the University of West Florida should complete this A.A. Specialization in Pre-Engineering. Completion will result in the student earning an Associate of Arts while simultaneously maximizing the number of credits that apply to the various engineering programs in Florida’s State University System. Students planning to transfer to an institution outside the State University System should discuss with their advisor the specific transfer requirements for that school.

Program Requirements

Students should consult with an advisor to determine additional courses that can be taken at UWF as part of the A.A. program that may apply toward baccalaureate graduation requirements. Students who meet the requirements for the A.A. must submit an application for graduation in order for the degree to be awarded. Students must also satisfy the Associate of Arts degree requirements as listed in the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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</table>

Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
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<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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Social Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
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</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2102 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature:

- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:

- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3

- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
Take two of the following courses, including at least one with lab:

- **ANT 2511** Biological Anthropology 3
- **ANT 2511L** Biological Anthropology Lab 1
- **AST 3033** Modern Astronomy 3
- **BOT 2010+L** General Botany (+Lab) 4
- **BSC 1005** General Biology for Non-Majors * 3
- **BSC 1005L** General Biology Laboratory for Non-Majors 1
- **BSC 1050** Fundamentals of Ecology 3
- **BSC 1085** Anatomy and Physiology I * 3
- **BSC 1085L** Anatomy and Physiology I Laboratory 1
- **BSC 1086** Anatomy and Physiology II * 3
- **BSC 1086L** Anatomy & Physiology II Laboratory 1
- **BSC 2311** Introduction to Oceanography and Marine Biology * 3
- **CGS 2060** Excursions in Computing 3
- **CGS 2060L** Excursions in Computing Lab 1
- **CHM 1020** Concepts in Chemistry * 3
- **CHM 1020L** Concepts in Chemistry Lab 1
- **CHM 1032** Fundamentals of General Chemistry * 3
- **CHM 1032L** Fundamentals of General Chemistry Laboratory 1
- **CHM 2045** General Chemistry I * 3
- **CHM 2045L** General Chemistry I Laboratory 1
- **CHM 2046** General Chemistry II * 3
- **CHM 2046L** General Chemistry II Laboratory * 1
- **GEO 1200+L** Physical Geography (+Lab) 4
- **GEO 2330** Environmental Science 3
- **GLY 2010** Physical Geology 3
- **GLY 2010L** Physical Geology Laboratory 1
- **MCB 1000** Fundamentals of Microbiology * 3
- **MCB 1000L** Fundamentals of Microbiology Laboratory 1
- **PHY 1020** Introduction to Concepts in Physics * 3
- **PHY 1020L** Introduction to Concepts in Physics Laboratory 1
- **PHY 2048** University Physics I ** 3
- **PHY 2048L** University Physics I Lab 1
- **PHY 2049** University Physics II ** 3
- **PHY 2049L** University Physics II LAB 1
- **PHY 2053** General Physics I * 3
- **PHY 2053L** General Physics I Laboratory 1
- **PHY 2054** General Physics II * 3
- **PHY 2054L** General Physics II Laboratory 1
- **PHZ 1450** Exotic Physics 3
- **ZOO 1010+L** General Zoology (+Lab) 4

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

**Total Semester Hours:** 36-37

It is recommended that pre-Engineering students take the following courses to fulfill the indicated sections of the general studies curriculum:

- **Socio-Political:**
  - **ECO 2013** Principles of Economics Macro 3
- **Mathematics:**
  - **MAC 2311** Analytic Geometry and Calculus I 4

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048+L</td>
<td>University Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049+L</td>
<td>University Physics II (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not necessarily required for admission to an engineering program. Students should consult with advisors for the programs to which they want to be admitted for more information. See the Common Prerequisite Manual for course substitutions from Florida colleges and universities.

The following courses include all state mandated common prerequisites for engineering programs.

**Major Courses**

**Mathematics:**
- **MAC 2311** Analytic Geometry and Calculus I 4
- **MAC 2312** Analytic Geometry and Calculus II * 4
- **MAC 2313** Analytic Geometry and Calculus III * 4
- **MAP 2302** Differential Equations 3

**Natural Science:**
- **CHM 2045+L** General Chemistry I (+Lab) * 4
- **PHY 2048+L** University Physics I (+Lab) * 4
- **PHY 2049+L** University Physics II (+Lab) * 4

**Total Hours**: 27

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Note that most of the engineering programs in the Florida’s State University System have minimum grade and GPA requirements for these common prerequisites. For example, UWF requires a minimum “C” grade in all 7 courses, with an overall GPA of 2.3 in those classes.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

**Total Hours**: 0-10
Pre-Pharmacy Specialization

The A.A. Specialization in Pre-Pharmacy is intended to prepare students for admission to Pharmacy School. Students who complete this specialization will have satisfied all General Education requirements and most of the Common Prerequisites for PharmD programs in the SUS. Prospective students need to be aware that some biology lab courses involve the use of live animals. Students may wish to seek details from course instructors before enrolling.

Program Requirements

In addition to the requirements listed below, students seeking the A.A. Specialization in Pre-Pharmacy must satisfy the Associate of Arts degree requirements as listed in the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

Students may complete the A.A. Specialization in Pre-Pharmacy or complete the B.S. in Interdisciplinary Science/Pre-Pharmacy for consideration for admission into a PharmD program. Students should stay in close contact with their academic advisor to plan the curriculum and to address other factors affecting admission. See the applicable section of this catalog for details.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

Communication 6
ENC 1101 English Composition I 3
ENC 1102 English Composition II 3

Mathematics 6
MAC 1105 College Algebra 3
MAC 1114 Trigonometry 3
MAC 1140 Precalculus Algebra 3
MAC 2233 Calculus with Business Applications 3
MAC 2311 Analytic Geometry and Calculus I 4
MAC 2312 Analytic Geometry and Calculus II 4
MGF 1106 Mathematics for Liberal Arts I 3
MGF 1107 Mathematics for Liberal Arts II 3
STA 2023 Elements of Statistics 3

Social Sciences 9
Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3
AMH 2010 United States to 1877
AMH 2020 United States since 1877
EUH 1000 Western Perspectives I
EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives: 3
ANT 2000 Introduction to Anthropology
ANT 2100 Introduction to Archaeology
CCJ 2002 Survey of Crime and Justice
DEP 2004 Human Development Across the Lifespan
PSY 2122 General Psychology

Social Sciences: Socio-Political Perspectives: 3
ANT 2400 Current Cultural Issues
CPO 2002 Comparative Politics
ECO 2013 Principles of Economics Macro
FIN 2104 Personal Financial Planning
GEA 2000 Nations and Regions of the World
GEB 1011 Introduction to Business
IDH 1041 Honors Core 2
INR 2002 International Politics
MMC 2000 Principles of Mass Communication
PLA 2000 Survey of American Law
POS 2041 American Politics
SYG 2000 Introduction to Sociology
SYG 2010 Current Social Problems

Humanities 8-9
Choose one course from each of the following clusters of courses

Literature: 3
AML 2072 Sex, Money, and Power in American Literature
IDH 1040 Honors Core 1
LIT 2030 Introduction to Poetry
LIT 2040 Introduction to Drama
LIT 1122 Great Books I
LIT 2100 Introduction to Literature

Fine Arts: 3
ARN 1010 Introduction to Art History
ARN 2050 Western Survey I: Greek to Renaissance
ARN 2051 Western Survey II: Baroque to Contemporary
ART 1015C Exploring Artistic Vision
ART 2821 Art and Visual Culture Today
MUH 2930 The Music Experience: Special Topics
MUL 2110 Music in Western Civilization
THE 2000 The Theatre Experience
THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
PHI 2010 Introduction to Philosophy
PHI 2100 Introduction to Logic
PHI 2103 Critical Thinking
PHI 2603 Ethics in Contemporary Society
REL 1300 Introduction to World Religions
SPC 2608 Basic Communication Skills

Natural Sciences 7
Take two of the following courses, including at least one with lab:

- AN 2511 Biological Anthropology 3
- AN 2511L Biological Anthropology Lab 1
- AST 3033 Modern Astronomy 3
- BOT 2010+L General Botany (+Lab) 4
- BSC 1005 General Biology for Non-Majors * 3
- BSC 1005L General Biology Laboratory for Non-Majors 1
- BSC 1050 Fundamentals of Ecology 3
- BSC 2311 Introduction to Oceanography and Marine Biology * 3
- CGS 2060 Excursions in Computing 3
- CHM 1020 Concepts in Chemistry * 3
- CHM 1020L Concepts in Chemistry Lab 1
- CHM 1032 Fundamentals of General Chemistry * 3
- CHM 1032L Fundamentals of General Chemistry Laboratory 1
- CHM 2045 General Chemistry I * 3
- CHM 2045L General Chemistry I Laboratory 1
- CHM 2046 General Chemistry II * 3
- CHM 2046L General Chemistry II Laboratory 1
- GEO 1200+L Physical Geography (+Lab) 4
- GEO 2330 Environmental Science 3
- GLY 2010 Physical Geology * 3
- GLY 2010L Physical Geology Laboratory 1
- MCB 1000 Fundamentals of Microbiology * 3
- MCB 1000L Fundamentals of Microbiology Laboratory 1
- PHY 1020 Introduction to Concepts in Physics * 3
- PHY 1020L Introduction to Concepts in Physics Laboratory 1
- PHY 2048 University Physics I ** 3
- PHY 2048L University Physics I Lab 1
- PHY 2049 University Physics II ** 3
- PHY 2049L University Physics II LAB 1
- PHY 2053 General Physics I ** 3
- PHY 2053L General Physics I Laboratory 1
- PHY 2054 General Physics II * 3
- PHY 2054L General Physics II Laboratory 1
- PHZ 1450 Exotic Physics 3
- ZOO 1010+L General Zoology (+Lab) 4

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Pharm.D. students must take the following General Studies courses.

- BSC 1085+L Anatomy and Physiology I (+Lab) 4
- BSC 1086+L Anatomy and Physiology II (+Lab) 4
- ECO 2013 Principles of Economics Macro 3
- ENC 1101 English Composition I 3
- ENC 1102 English Composition II 3
- LIT 2100 Introduction to Literature 3

MAC 1140 Precalculus Algebra 3
MAC 2311 Analytic Geometry and Calculus I 4
SPC 2608 Basic Communication Skills 3
Historical Perspectives Course 3
Behavioral Perspectives Course 3

Choose one of the following:

- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary

Total Hours 39

Required Courses

The following courses required for the A.A. specialization in Pre-Pharmacy (60 sh) have been selected to satisfy many of the Common Prerequisites for PharmD programs in the SUS.

- CHM 2045+L General Chemistry I (+Lab) 4
- CHM 2046+L General Chemistry II (+Lab) 4
- CHM 2210+L Organic Chemistry I (+Lab) 4
- CHM 2211+L Organic Chemistry II (+Lab) 4
- PCB 2131+L Cell Biology (+Lab) 4
- Advisor Approved Elective 1

Total Hours 21

You may request receipt of your A.A. degree upon the successful completion of the degree plan detailed above. However, in order to meet the prerequisites for most pharmacy programs it is strongly recommended that the following courses be completed in addition to those listed above.

- PHY 2053+L General Physics I (+Lab) 4
- PHY 2054+L General Physics II (+Lab) 4
- ZOO 1010+L General Zoology (+Lab) 4

Total Hours 12
Professional Education Minor

The Minor in Professional Education is designed to provide non-education majors with the Professional Education component requisite to becoming a certified teacher in Florida. Coursework meets the requirement of the Professional Training Option and is consistent with the program requirements of Florida Department of Education Administrative Rule 6A-5.066 (Approval of Educator Preparation Programs) and includes the state required Professional Preparation outlined in Florida Department of Education Administrative Rule 6A-4.006.

Program Requirements

A minimum cumulative GPA of 2.50 is required to enroll in the minor. It is not required but highly recommended that students pass the General Knowledge, Professional Education, and one Subject Area Exam of the Florida Teacher Certification Exam, which are required for Florida Teacher Certification.

Prospective teachers are expected to adhere to the Principles of Professional Conduct for the Education Profession in Florida and national standards of conduct associated with professional, accreditation, and state agencies. Teacher candidates who are struggling to meet content and/or disposition standards and/or competencies may be referred to the Culture of Achievement through a System of Tiered support (CAST) process. Any student who is referred to CAST and does not successfully complete the intervention process may be denied continued enrollment in the minor.

Requirements for teacher education programs may change due to legislative mandates. Therefore, the actual program requirements may differ from those listed in the catalog. Candidates must inquire with the Director or an advisor in the School of Education to obtain the most current program requirements.

The Student Affidavit and Fingerprinting Application are required before any student can be placed in a school for Field Experiences or Student Teaching. Forms are available from the local school districts.

<table>
<thead>
<tr>
<th></th>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 3323C</td>
<td>General Methods for Teaching K-12 Students</td>
<td>3</td>
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<td>Choose one of the following:</td>
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<tr>
<td>EDE 4302</td>
<td>Instruction, Management, and Assessment-Elementary</td>
<td></td>
</tr>
<tr>
<td>EDM 4310</td>
<td>Instruction, Management, and Assessment- Middle</td>
<td></td>
</tr>
<tr>
<td>ESE 4322</td>
<td>Instruction, Management, and Assessment: Secondary Education</td>
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</tr>
</tbody>
</table>

Choose one of the following:

<table>
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<tr>
<th></th>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
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<tr>
<td>ESE 4940</td>
<td>Field Experience I</td>
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<tr>
<td>MUE 4940</td>
<td>Music Education Internship</td>
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<td>ARE 4940</td>
<td>Art Education Internship</td>
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<tr>
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The following can be taken in place of the above requirement: 12

<table>
<thead>
<tr>
<th></th>
<th>Course Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDG 4941</td>
<td>Teaching Internship I</td>
<td></td>
</tr>
<tr>
<td>EDG 4942</td>
<td>Teaching Internship II</td>
<td></td>
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</tbody>
</table>

Education Content Areas

The student must choose one of the following content areas.

<table>
<thead>
<tr>
<th></th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4316C</td>
<td>Special Methods in Art Education</td>
<td>4</td>
</tr>
<tr>
<td>MUE 3210</td>
<td>Music for the Elementary School Teacher</td>
<td>4</td>
</tr>
<tr>
<td>MUE 3311</td>
<td>Methods for the Elementary School Music Teacher</td>
<td></td>
</tr>
<tr>
<td>MUE 4330</td>
<td>Music in the Middle and Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>PET 4442</td>
<td>Physical Education in the High School</td>
<td>4-5</td>
</tr>
<tr>
<td>PET 4710</td>
<td>Special Methods in Physical Education</td>
<td></td>
</tr>
<tr>
<td>PET 4720</td>
<td>Physical Education in the Elementary School</td>
<td></td>
</tr>
<tr>
<td>PET 4730</td>
<td>Physical Education in the Middle School</td>
<td></td>
</tr>
<tr>
<td>LAE 3324</td>
<td>Teaching Language Arts in the Middle and Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>LAE 4335</td>
<td>Special Methods in English</td>
<td></td>
</tr>
<tr>
<td>MAE 4320</td>
<td>Teaching Mathematics in the Middle and Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>SCE 4320</td>
<td>Teaching Science in the Middle and Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>SCE 4362</td>
<td>Special Methods in Teaching Secondary and Junior High School Science</td>
<td></td>
</tr>
<tr>
<td>SSE 4324</td>
<td>Teaching Social Studies in the Middle and Secondary Schools</td>
<td></td>
</tr>
</tbody>
</table>
Psychology

The B.A. in Psychology enables students to study human behavior. An understanding of psychological processes entails understanding the multiple influences created by the biological characteristics of the organism, the effects of learning and experience, social and cultural dynamics, and developmental change. As a scientific discipline, the study of psychology requires competence in research methodology and critical thinking. Psychology is also an applied discipline, with applications in behavioral and physical health, business, education, and law, among others. Students completing a major in psychology will be prepared to pursue a wide range of careers at the bachelor’s level or to pursue advanced training in psychology or other professional schools (such as medicine and law). Students will attain a high-quality liberal arts degree focused on knowledge in the discipline of psychology, integrity in the application of that knowledge, effective project management, and excellent critical thinking and communication skills.

Contact the School of Psychological and Behavioral Sciences for information concerning the Human Resources certificate or the Focus on Human Development.

Program Requirements

In addition to the University’s general requirements, students seeking the B.A. in Psychology must meet the requirements listed below. A minimum grade of “C” is required for PSY 3213 (Research Methods in Psychological Science 1) and PSY 3215 (Research Methods in Psychological Science II), and for one course in each of the Social, Learning and Cognition, Biological, and Developmental cognate areas. No more than 6 sh credits in informal courses (directed study, practicum, field work, co-op, etc.) may be applied to fulfill the upper level Psychology degree requirements.

Students should consult with their academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

Students should take STA 2023 Elements of Statistics to partially fulfill the mathematics component of General Studies.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
<td>6</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
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<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<td>Elements of Statistics</td>
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Social Sciences

Choose one course from each of the following clusters of courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
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Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td></td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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Social Sciences: Behavioral Perspectives:

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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
<td>3</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
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<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td>INR 2002</td>
<td>International Politics</td>
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<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Communication</td>
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<td>6</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

MAC 1105 College Algebra 3
MAC 1114 Trigonometry 3
MAC 1140 Precalculus Algebra 3
MAC 2233 Calculus with Business Applications 3
MAC 2311 Analytic Geometry and Calculus I 4
MAC 2312 Analytic Geometry and Calculus II 4
MGF 1106 Mathematics for Liberal Arts I 3
MGF 1107 Mathematics for Liberal Arts II 3
STA 2023 Elements of Statistics 3
Choose one course from each of the following clusters of courses

**Literature:** 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>LIT 2030</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>LIT 2040</td>
<td>Introduction to Drama</td>
</tr>
<tr>
<td>LIT 1122</td>
<td>Great Books I</td>
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<tr>
<td>LIT 2100</td>
<td>Introduction to Literature</td>
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</table>

**Fine Arts:** 3

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ARH 1010</td>
<td>Introduction to Art History</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>MUL 2110</td>
<td>Music in Western Civilization</td>
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<td>THE 2000</td>
<td>The Theatre Experience</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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**Contemporary Values and Expressions:** 3

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<th>Course Code</th>
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<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Logic</td>
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<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
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<tr>
<td>PHI 2803</td>
<td>Ethics in Contemporary Society</td>
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<tr>
<td>REL 1300</td>
<td>Introduction to World Religions</td>
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<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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**Natural Sciences** 7

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>ANT 2511L</td>
<td>Biological Anthropology Lab</td>
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<tr>
<td>AST 3033</td>
<td>Modern Astronomy</td>
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<tr>
<td>BOT 2010-L</td>
<td>General Botany (+Lab)</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<tr>
<td>BSC 1005L</td>
<td>General Biology Laboratory for Non-Majors</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 1085L</td>
<td>Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 1086L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology Laboratory</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<tr>
<td>CGS 2060L</td>
<td>Excursions in Computing Lab</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 1020L</td>
<td>Concepts in Chemistry Lab</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>Fundamentals of General Chemistry Laboratory</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
</tr>
<tr>
<td>GEO 1200-L</td>
<td>Physical Geography (+Lab)</td>
</tr>
<tr>
<td>GEO 2330</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>GLY 2010L</td>
<td>Physical Geology Laboratory</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>MCB 1000L</td>
<td>Fundamentals of Microbiology Laboratory</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<tr>
<td>PHY 1020L</td>
<td>Introduction to Concepts in Physics Laboratory</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
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<tr>
<td>PHY 2048L</td>
<td>University Physics I Lab</td>
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<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
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<tr>
<td>PHY 2049L</td>
<td>University Physics II LAB</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>General Physics I Laboratory</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
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<tr>
<td>PHY 2054L</td>
<td>General Physics II Laboratory</td>
</tr>
<tr>
<td>PHZ 1450</td>
<td>Exotic Physics</td>
</tr>
<tr>
<td>ZOO 1010-L</td>
<td>General Zoology (+Lab)</td>
</tr>
</tbody>
</table>

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/)
Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology *</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
<td>3</td>
</tr>
<tr>
<td>Any 1000 or 2000 level Psychology course **</td>
<td>3</td>
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</tr>
<tr>
<td>One of the following:</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors *</td>
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</tr>
<tr>
<td>ZOO 1010</td>
<td>General Zoology *</td>
<td></td>
</tr>
</tbody>
</table>

* Common prerequisites which can be used to satisfy General Studies requirements  
** CLP, DEP, EAB, EXP, INP, PCO, PPE, PSB, PSY, IDH, SOP courses

### Lower Division Electives (12-24 sh)

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement. Students should take STA 2023 Elements of Statistics if not completed as part of General Studies.

### Upper Division Electives (20-23 sh)

Students must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all major requirements at the 3000/4000 level, whichever is greater.

### Major Related ** (0-3 sh)

#### STA2023 Elements of Statistics

**If not completed at the lower division**

### Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>PSY 3213</td>
<td>Research Methods In Psychological Science I</td>
<td>3</td>
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<tr>
<td>PSY 3215</td>
<td>Research Methods In Psychological Science II</td>
<td>3</td>
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<tr>
<td>PSY 2023</td>
<td>Careers in Psychology</td>
<td>1</td>
</tr>
<tr>
<td>Social:</td>
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<tr>
<td>SOP 3004</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Learning and Cognition (one of the following):</td>
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<tr>
<td>EXP 4404</td>
<td>Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXP 4507</td>
<td>Memory and Cognition</td>
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<tr>
<td>Biological (one of the following):</td>
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<td></td>
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<tr>
<td>EXP 4204</td>
<td>Sensation and Perception</td>
<td>3</td>
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<tr>
<td>PSB 4002</td>
<td>Brain, Behavior, and Experience</td>
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<tr>
<td>Developmental (one of the following):</td>
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<tr>
<td>DEP 3103</td>
<td>Child Development</td>
<td>3</td>
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<tr>
<td>DEP 4305</td>
<td>Psychology of Adolescence</td>
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</tr>
<tr>
<td>DEP 4404</td>
<td>Adoleshd and Aging</td>
<td></td>
</tr>
<tr>
<td>Application of Psychology: Clinical/Counseling (one of the following):</td>
<td></td>
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</tr>
<tr>
<td>CLP 3144</td>
<td>Abnormal Psychology</td>
<td>3</td>
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<tr>
<td>CLP 4314</td>
<td>Health Psychology</td>
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<tr>
<td>PCO 4242</td>
<td>Introduction to Group Counseling</td>
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<tr>
<td>PPE 4003</td>
<td>Theories of Personality</td>
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<tr>
<td>PSB 4731</td>
<td>Psychobiology of Sexual Behavior</td>
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<tr>
<td>PSY 4302</td>
<td>Psychology of Assessment</td>
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<tr>
<td>Application of Psychology: Workplace (one of the following):</td>
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<tr>
<td>EXP 4250</td>
<td>Human Factors Psychology</td>
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<tr>
<td>INP 3004</td>
<td>Industrial Psychology</td>
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<td>INP 3313</td>
<td>Organizational Behavior</td>
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</tr>
<tr>
<td>INP 4224</td>
<td>Psychology of Workforce Diversity</td>
<td></td>
</tr>
</tbody>
</table>

### Minors

#### Psychology

The Minor in Psychology consists of the following or their equivalent. No directed studies may be taken to fulfill the requirements for the minor. A minimum of 9 sh must be completed at UWF. PSY 2012 General Psychology or a general/introductory psychology course is a prerequisite. Psychology majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>3000/4000 level Psychology Elective</td>
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<tr>
<td>CLP 3144</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PPE 4003</td>
<td>Theories of Personality</td>
<td></td>
</tr>
<tr>
<td>INP 3004</td>
<td>Industrial Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or SOP 3004</td>
<td>Social Psychology</td>
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</tr>
<tr>
<td>EXP 4404</td>
<td>Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>or PSB 4002</td>
<td>Brain, Behavior, and Experience</td>
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</tr>
</tbody>
</table>

### Sport and Exercise Psychology

The 21-22 sh Minor in Sport and Exercise Psychology is offered by the School of Psychological and Behavioral Sciences in affiliation with the Department of Health, Leisure, and Exercise Science. The minor is primarily designed for those students interested in the psychological aspects of sport and other exercise activities. Completing coursework from sport science and psychology emphasizes the integrated nature of psychomotor performance and its effects on psychological, social, and physical functioning. This minor provides an opportunity for coursework centered on health and exercise (e.g., health, nutrition and physical fitness) and psychology (e.g., sport and exercise psychology) with the option of taking relevant electives from both fields. This minor is available to all students. No directed study may be taken to fulfill the requirements for the minor.

### Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLP 2081</td>
<td>Health, Nutrition and Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>PET 4213</td>
<td>Success in Sports</td>
<td>3</td>
</tr>
<tr>
<td>PET 4251</td>
<td>Sociology of Sport</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4832</td>
<td>Sport and Exercise Psychology</td>
<td>3</td>
</tr>
<tr>
<td>One of the following:</td>
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<tr>
<td>APK 3110</td>
<td>Exercise Physiology</td>
<td></td>
</tr>
<tr>
<td>PET 4061</td>
<td>Motor Development and Skill Learning</td>
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<tr>
<td>PET 4310C</td>
<td>Mechanics of Human Motion</td>
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</tr>
</tbody>
</table>

### Certificates
Human Resources Certificate

Department: School of Psychological and Behavioral Sciences  
Method of Instruction: Classroom  
Semester Hours: 15

The Human Resources Certificate is designed for undergraduates who wish to complete a module of psychology courses related to the management of human resources. This certificate can be earned by those majoring or minoring in psychology, those majoring in other fields such as management, and those who are enrolled as special students with or without a bachelor’s degree.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>INP 3004</td>
<td>Industrial Psychology</td>
<td>3</td>
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<tr>
<td>INP 3313</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>INP 4224</td>
<td>Psychology of Workforce Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3004</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Three additional hours which may include:</td>
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</tr>
<tr>
<td></td>
<td>Any upper-level undergraduate elective approved by I/O faculty</td>
<td></td>
</tr>
<tr>
<td>SOP 5609</td>
<td>Current Issues in Industrial-Organizational Psychology</td>
<td>1</td>
</tr>
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</table>

Directed Individual Study or Service Learning (an applied experience in human resources) *

Total Hours 16
Public Administration Minor

The Minor in Public Administration requires 12 sh of course work. No course with a grade below “C” will be counted toward the minor. All courses must be completed at UWF and directed studies may not be taken to fulfill requirements. This minor is available to all undergraduate students.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
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</tr>
<tr>
<td>PUP 4004</td>
<td>Public Policy</td>
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<td>Choose two of the following:</td>
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<tr>
<td>CCJ 3450</td>
<td>Criminal Justice Management and Organization</td>
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<tr>
<td>CJE 4110</td>
<td>Police in a Free Society</td>
<td></td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Judicial Process</td>
<td></td>
</tr>
<tr>
<td>or POS 3283</td>
<td>Judicial Process</td>
<td></td>
</tr>
<tr>
<td>COM 4120</td>
<td>Organizational Communication</td>
<td></td>
</tr>
<tr>
<td>GEO 3421</td>
<td>Cultural Geography</td>
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<tr>
<td>GEO 3502</td>
<td>Economic Geography</td>
<td></td>
</tr>
<tr>
<td>INP 3313</td>
<td>Organizational Behavior</td>
<td></td>
</tr>
<tr>
<td>or MAN 3240</td>
<td>Behavior in Organizations</td>
<td></td>
</tr>
<tr>
<td>MAN 4102</td>
<td>Management of Diversity</td>
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<tr>
<td>PHI 3670</td>
<td>Ethics</td>
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<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
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<tr>
<td>POS 3122</td>
<td>Issues in American Government and Politics</td>
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<tr>
<td>POS 3424</td>
<td>The Legislative Process</td>
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<td>SOW 4232</td>
<td>Analysis of Social Service Policy</td>
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<tr>
<td><strong>Total Hours</strong></td>
<td><strong>12</strong></td>
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</table>
**ROTC, Army**

The Military Science Department’s Army Reserve Officers’ Training Corps (ROTC) program of instruction qualifies the student for a commission as an officer in the United States Army, Army Reserve, or National Guard. The curriculum compliments any undergraduate or graduate course of study that leads to a degree and provides a base for initial entry into the Army’s educational program.

The ROTC program emphasizes leadership and management training. A laboratory provides experience in a range of leadership positions. Practical experience is gained at a summer camp normally attended between the junior and senior years. Men and women undergo the same military training throughout the ROTC program; however, women may not be commissioned in some combat arms branches.

**Commissioning Programs**

The four-year military science curriculum includes a two-year basic course of study and a two-year advanced course of study. Students enter the four year program as freshmen or sophomores.

The two-year ROTC program is designed for junior college and other non-ROTC college transferees. Four-year students with only two years of school remaining who receive placement credit for the basic course of study may also enroll. Graduate students may qualify for enrollment in the two-year course of study.

**Basic Course of Study**

The courses which comprise the basic course of study are normally taken as electives in the freshman and sophomore years. These courses prepare students for the advanced course of study by familiarizing them with organization of the Army, military skills, and military traditions. Students do not incur any military obligation as a result of enrolling in the basic course of study.

To enroll, a student must be physically and morally qualified, a full-time degree-seeking student at the University, and a U.S. citizen.

**Advanced Course of Study**

The advanced course of study covers leadership and management, the exercise of command, military teaching methods, tactics, logistics, administration, history, and military justice. Leadership experience and command experience are provided by assigning advanced course students as cadet officers and noncommissioned officers.

For entry into the advanced course of study students must satisfy the following:

- Complete a lower-division ROTC basic course of study at a college, university, or a junior ROTC program, or attend and successfully complete the ROTC four-week Leader’s Training Course (LTC) at Fort Knox, KY, or have prior honorable military service
- Be a U.S. citizen not over 34 years of age at the time of commissioning in the Army (waiverable up to 39 years of age)
- Pass a medical examination and physical fitness test
- Have two academic years (four semesters) of upper-division course work remaining with a GPA of 2.0 on all lower-division course work
- Have no civil convictions with fines of greater than $250, unless waiver is applied for and granted
- Be selected by the Professor of Military Science (PMS).

After all entry requirements are met, the student must execute a written agreement (contract and enlistment) with the U.S. Army to complete the advanced course of study, to attend a summer camp at the time specified, and to accept a commission if tendered unless relieved from contract by proper authority.

**Requirements to Receive a Commission in U.S. Army**

Students desiring a commission in the U.S. Army must complete the following requirements:

- **Baccalaureate or graduate degree**
  - 18 sh of military science courses including:
    - MSL 1001 Foundations of Officership 1
    - MSL 1002 Basic Leadership 1
    - MSL 2101 Individual Leadership Studies 2
    - MSL 2102 Leadership and Teamwork 2
    - MSL 3201C Tactical Leadership 3
    - MSL 3202C Applied Leadership 3
    - MSL 4301C Developmental Leadership 3
    - MSL 4302C Leadership in a Complex World 3

- **Students with prior military service, Junior ROTC, ROTC Leader’s Training Course, or equivalent military training can receive placement credit for lower-division courses with departmental approval**
  - AMH 3540 American Military History
  - ROTC Leadership Development and Assessment Course (LDAC) attended between junior and senior years
  - Maintain a cumulative GPA of 2.0
  - Maintain a 2.0 term and cumulative GPA in military science
  - A qualified physical examination, passing score on Army physical-fitness test, and a secret security clearance.

**Textbooks and Uniforms**

Textbooks and uniforms required for participation in the Army ROTC basic and advanced course are furnished by the Department of Military Science.

**Monetary Allowances**

Cadets selected for admission into the advanced course and who sign a contract and enlistment qualify for a nontaxable monetary allowance for each month of enrollment during the academic year. Juniors receive $450 per month; seniors receive $500 per month. Freshman and sophomore cadets with an Army ROTC scholarship receive $300 or $350 per month. In addition, students receive approximately $900 for the five-week Leadership Development and Assessment Course.

**Scholarship Program**

Financial assistance is available in the form of ROTC four-year, three-year, and two-year scholarships for selected students. Under this program, the Army will pay tuition and fees or room and board (not to exceed the cost of tuition and fees), a flat rate per semester for textbooks, and other required expenses. In addition, the student receives the monetary allowance described above.

Most students entering the program by attending the four-week Leader’s Training Course are eligible to compete for two-year scholarships while at the camp. Coordination should be made with the ROTC office for application at the beginning of the spring semester prior to enrollment.
Activities
The Military Science Department sponsors several activities throughout the year which are designed to enhance the student’s participation in college activities, develop leadership skills, and provide a solid foundation for commissioning into the Officers’ Corps. Some examples are physical conditioning, rappelling, orienteering, visits to military installations, overnight field training exercises, and a dining-out in the spring.

Minors

Military Science
The Minor in Military Science assists ROTC students in meeting the criteria for a commission as an Officer in the United States Army, Army Reserve or Army National Guard. The courses emphasize leadership and management training while a laboratory provides experience in a range of leadership positions. Practical experience is gained at a summer camp normally attended between the junior and senior years. The minor is only open to ROTC students.

The Military Science Minor requires 12 semester hours of upper division work in military science. None of the 12 military science hours may be taken online and a grade of "C" or higher is required for all courses in the minor.
ROTC, Air Force

Air Force ROTC (AFROTC) offers students a course of study leading to a commission as a second lieutenant. Cadets enrolled in the program represent a broad cross section of the student body. The student/cadet has an opportunity to explore and evaluate Air Force career opportunities while earning a college degree. Completion of the AFROTC curriculum is the initial step in the education of the professional officer and provides a firm understanding of basic aerospace doctrine and Air Force missions, organization, and operation.

The AFROTC program consists of two phases: the General Military Course (GMC) and the Professional Officer Course (POC). Each phase requires four (4) semesters of study.

**General Military Course (GMC)—The Basic Course**

Students may enroll in the GMC course with no military obligation. The GMC courses deal primarily with the various Air Force organizations and their missions, as well as the history of the Air Force. Communication skills are also emphasized.

**Professional Officer Course (POC)—The Advanced Course**

Enrollment in the POC is limited to those students who have applied and been accepted for the course. Selection is based on interest in the Air Force together with academic records, observed leadership abilities, physical fitness, and SAT/ACT scores. Application is normally made while a member of the GMC. Individuals entering the POC must have two academic years remaining in college as full-time students at the undergraduate and/or graduate level. Upon completion, all POC students are obligated to accept a commission and enter the active duty Air Force.

Junior-year materials emphasize student involvement in learning and practicing management and leadership techniques. Leadership and management skills as they apply to a Junior officer in the Air Force are emphasized, and communicative skills are stressed throughout the entire AFROTC curriculum. national security policy. Cadets receive a nontaxable allowance monthly while on contract (normally during the two academic years in the POC). This stipend is in addition to any other scholarship benefits.

**Summer Field Training Units**

All students must complete one field training course, conducted at an active duty Air Force base during the summer months. The program requires a four-week course to be completed, normally between the sophomore and junior years.

When attending the field training units, a student is furnished transportation or payment for travel plus pay at the current rate of approximately $600 per month. Uniforms and free medical care are furnished while at field training.

**AFROTC College Scholarship Program**

The Professor of Air Force Studies (PAS) can nominate qualified freshmen, sophomores, and juniors to compete for three- and two-year scholarships. The scholarship entitlement pays full tuition and fees at UWF, a textbook allotment, and the monthly allowance mentioned above. Scholarship consideration is predicated on student ability, performance, and potential needs of the Air Force.

Interested students need to contact the Department of Aerospace Studies.

Three and four-year scholarships are also available to high school students. High school students interested in applying should call the Department of Air Force Studies at (850)473-7755 or write the Department of Air Force Studies (AFROTC), 11000 University Parkway, Bldg 78 Room 124 Pensacola, FL 32514-5753. Also you can apply via the internet at http://www.afrotc.com.

**Air Force ROTC Uniforms**

Students in Air Force ROTC will be issued uniforms to wear to class and leadership laboratory. They must be turned in upon completion of the year or when the cadet drops or is dropped from the program.
Sciences, Interdisciplinary

The Interdisciplinary Science program is designed for students who want a broadly based education in the natural sciences rather than an in-depth study of one field. The program covers pre-pharmacy and zoo science. Because some professional schools prefer their applicants to demonstrate excellence in a specific discipline, the interdisciplinary science major considering dentistry, medicine, optometry or veterinary medicine should consult a pre-professional advisor.

Pre-Pharmacy Specialization

The Pre-Pharmacy Specialization is intended to prepare students for admission to Pharmacy School. Prospective students need to be aware that some biology lab courses involve the use of live animals. Students may wish to seek details from course instructors before enrolling.

A grade of “C” or better is required in each of the seven specified major courses.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Studies Curriculum:

**Communication**

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<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>ENC 1101</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
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**Mathematics**

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<td>MAC 1114</td>
<td>Trigonometry</td>
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</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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</table>

**Social Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:

- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:

- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2080 Introduction to Sociology
- SYG 2010 Current Social Problems

**Humanities**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
</table>

Choose one course from each of the following clusters of courses

Literature:

- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2020 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts:

- ARN 1010 Introduction to Art History
- ARN 2050 Western Survey I: Greek to Renaissance
- ARN 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions:

- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

**Natural Sciences**

7
Students should take the following required courses:

MAC 2311 Analytic Geometry and Calculus I 4
Science:
CHM 2045-L General Chemistry I (+Lab) 4
CHM 2046-L General Chemistry II (+Lab) 4
Fine Arts:
ARH 2050 Western Survey I: Greek to Renaissance 3
or ARH 2051 Western Survey II: Baroque to Contemporary 3

Total Hours 24

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

Students should note that the Common Prerequisites listed below are pending approval by the Florida Articulation Coordinating Committee. A grade of “C” or better is required in each of the Common Prerequisite courses.

Total Hours 36

* Indicates common prerequisites which can be used to satisfy General Studies requirements.
+ Indicates course offered locally by Pensacola State College.

Major

BCH 3033-L Biochemistry I (+Lab) 4
BCH 3034 Biochemistry II 3
CHM 3120-L Analytical Chemistry (+Lab) 4
MCB 3020-L Microbiology (+Lab) 4
PCB 2131-L Cell Biology (+Lab) 4
PCB 3063-L Genetics (+Lab) 4
PCB 4233-L Immunology (+Lab) 4

Total Hours 27

Major-Related

BSC 1085 Anatomy and Physiology I 3
BSC 1085L Anatomy and Physiology I Laboratory 1
BSC 1086 Anatomy and Physiology II 3
BSC 1086L Anatomy & Physiology II Laboratory 1
CHM 2210-L Organic Chemistry I (+Lab) 4
CHM 2211-L Organic Chemistry II (+Lab) 4
MAC 1114 Trigonometry 3
MAC 1140 Precalculus Algebra 3
SPC 2608 Basic Communication Skills 3

Select 9-11 semester hours from the following:

Pre-Pharmacy Electives:

Chemistry Electives:

Total Semester Hours: 36-37

Students should take the following required courses:

Socio-Political:
ECO 2013 Principles of Economics Macro 3
Values and Expressions:
SPC 2608 Basic Communication Skills 3
Mathematics:
MAC 1140 Precalculus Algebra 3

Take two of the following courses, including at least one with lab:

ANT 2511 Biological Anthropology 3
ANT 2511L Biological Anthropology Lab 1
AST 3033 Modern Astronomy 3
BOT 2010-L General Botany (+Lab) 4
BSC 1005 General Biology for Non-Majors 3
BSC 1005L General Biology Laboratory for Non-Majors 1
BSC 1050 Fundamentals of Ecology 3
BSC 1085 Anatomy and Physiology I 3
BSC 1085L Anatomy and Physiology I Laboratory 1
BSC 1086 Anatomy and Physiology II 3
BSC 1086L Anatomy & Physiology II Laboratory 1
BSC 2311 Introduction to Oceanography and Marine Biology 3
BSC 2311L Introduction to Oceanography and Marine Biology Laboratory 1
CGS 2060 Excursions in Computing 3
CGS 2060L Excursions in Computing Lab 1
CHM 1000 Concepts in Chemistry * 3
CHM 1020 Concepts in Chemistry Lab 1
CHM 1020L Concepts in Chemistry Lab 1
CHM 1032 Fundamentals of General Chemistry * 3
CHM 1032L Fundamentals of General Chemistry Laboratory 1
CHM 2045 General Chemistry I * 3
CHM 2045L General Chemistry I Laboratory 1
CHM 2046 General Chemistry II * 3
CHM 2046L General Chemistry II Laboratory 1
GEO 1200-L Physical Geography (+Lab) 4
GEO 2330 Environmental Science 3
GLY 2010 Physical Geology 3
GLY 2010L Physical Geology Laboratory 1
MCB 1000 Fundamentals of Microbiology * 3
MCB 1000L Fundamentals of Microbiology Laboratory 1
PHY 1020 Introduction to Concepts in Physics * 3
PHY 1020L Introduction to Concepts in Physics Laboratory 1
PHY 2048 University Physics I ** 3
PHY 2048L University Physics I Lab 1
PHY 2049 University Physics II ** 3
PHY 2049L University Physics II LAB 1
PHY 2053 General Physics I * 3
PHY 2053L General Physics I Laboratory 1
PHY 2054 General Physics II * 3
PHY 2054L General Physics II Laboratory 1
PHZ 1450 Exotic Physics 3
ZOO 1010-L General Zoology (+Lab) 4

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37
Undergraduate Degrees and Areas of Specialization

CHM 3230 Organic Chemistry III
CHM 3400C Basic Physical Chemistry
CHM 4455+L Introduction to Polymer Science (+Lab)
CHM 4611 Inorganic Chemistry
CHM 4930 Seminar: Special Topics in Advanced Chemistry

Biological Electives:
Select 11-12 semester hours from the following:
- BOT 4850 Medicinal Botany
- HSC 3555 Pathophysiology
- MLS 4462+L Medical Microbiology (+Lab)
- PCB 4524+L Molecular Biology (+Lab)

Additional Electives:
Select 1-5 semester hours from the following:
- HSC 4143 Drugs in Society
- MCB 4276 Epidemiology of Infectious Disease
- PCB 4703 Human Physiology
- Directed study approved by advisor

Total Hours 50

* Students must check with advisor before selecting electives from the list to ensure all current Pharmacy School prerequisites are met.

Zoo Science Specialization
The Zoo Science Specialization is designed for and limited to students who have completed an A.S. in Zoo Animal Technology. It provides further study of the field with an emphasis on the biological sciences. The specialization has been designed to prepare students for a wide variety of careers in the animal industry, such as zookeeper, curator, or director or operating one’s own animal industry business. It is not designed as a pre-veterinary medicine program and does not include all of the courses normally required for admission to a college of veterinary medicine.

The Zoo Science Specialization is designed for and limited to students who have completed an Associate's Degree in the field. No more than 24% of the program requirements for this degree may be in traditional business subjects.

A grade of “C-” or better is required in each of the major courses.

General Studies
In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
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<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences
Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives:
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2012 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives:
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2013 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2010 Current Social Problems

Humanities 8-9
Choose one course from each of the following clusters of courses:

**Literature:**
- AML 2072: Sex, Money, and Power in American Literature
- IDH 1040: Honors Core 1
- LIT 2030: Introduction to Poetry
- LIT 2040: Introduction to Drama
- LIT 1122: Great Books I
- LIT 2100: Introduction to Literature

**Fine Arts:**
- ARH 1010: Introduction to Art History
- ARH 2050: Western Survey I: Greek to Renaissance
- ARH 2051: Western Survey II: Baroque to Contemporary
- ART 2821: Art and Visual Culture Today
- MUL 2110: Music in Western Civilization
- THE 2000: The Theatre Experience
- THE 2300: Survey of Dramatic Literature

**Contemporary Values and Expressions:**
- PHI 2010: Introduction to Philosophy
- PHI 2100: Introduction to Logic
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: Introduction to World Religions
- SPC 2608: Basic Communication Skills

**Natural Sciences**
- ANT 2511: Biological Anthropology
- AST 3033: Modern Astronomy
- BOT 2010-L: General Botany (+Lab)
- BSC 1005: General Biology for Non-Majors
- BSC 1050: Fundamentals of Ecology
- BSC 1085: Anatomy and Physiology I
- BSC 1085L: Anatomy and Physiology I Laboratory
- BSC 1086: Anatomy and Physiology II
- BSC 1086L: Anatomy & Physiology II Laboratory
- BSC 2311: Introduction to Oceanography and Marine Biology
- BSC 2311L: Introduction to Oceanography and Marine Biology Laboratory
- CGS 2060: Excursions in Computing
- CGS 2060L: Excursions in Computing Lab
- CHM 1020: Concepts in Chemistry
- CHM 1020L: Concepts in Chemistry Lab
- CHM 1032: Fundamentals of General Chemistry
- CHM 1032L: Fundamentals of General Chemistry Laboratory
- CHM 2045: General Chemistry I
- CHM 2045L: General Chemistry I Laboratory
- CHM 2046: General Chemistry II
- CHM 2046L: General Chemistry II Laboratory
- GEO 1200-L: Physical Geography (+Lab)
- GEO 2330: Environmental Science
- GLY 2010: Physical Geology
- GLY 2010L: Physical Geology Laboratory
- MCB 1000: Fundamentals of Microbiology
- MCB 1000L: Fundamentals of Microbiology Laboratory
- PHY 1020: Introduction to Concepts in Physics
- PHY 1020L: Introduction to Concepts in Physics Laboratory
- PHY 2048: University Physics I
- PHY 2048L: University Physics I Lab
- PHY 2049: University Physics II
- PHY 2049L: University Physics II LAB
- PHY 2053: General Physics I
- PHY 2053L: General Physics I Laboratory
- PHY 2054: General Physics II
- PHY 2054L: General Physics II Laboratory
- PHZ 1450: Exotic Physics
- ZOO 1010-L: General Zoology (+Lab)

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

** Total Semester Hours: 36-37**

Students transferring from Florida Community Colleges with an A.S. should consult with an advisor in the department before determining which other courses will need to be taken to complete UWF's General Studies Program.

**Common Prerequisites**

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program.
See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

A grade of "C" or better is required in each of the Common Prerequisite courses.

- CHM 2045+L  General Chemistry I (+Lab) *  4
- CHM 2046+L  General Chemistry II (+Lab) *  4
- ENC 1101  English Composition I *  3
- ENC 1102  English Composition II *  3
- LIT 2xxx  Literature Course *  3
- MAC 1105  College Algebra *  3
- PAZ xxxx  Animal Science Courses  15
- PSY 2012  General Psychology *  3
- STA 2023  Elements of Statistics *  3
- ZOO 1010+L  General Zoology (+Lab) *  4
- PCB 2131+L  Cell Biology (+Lab) *  4

Choose one of the following:  3

- SPC 2608  Basic Communication Skills
- SPC 1600  (Pensacola State College)

Total Hours  52

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

** Major **

- PCB 3063+L  Genetics (+Lab)  4
- PCB 3253+L  Developmental Biology (+Lab)  4
- PCB 4043+L  Ecology (+Lab)  4
- PCB 4723+L  Comparative Animal Physiology I (+Lab)  4

Choose three of the following:  9-11

- BSC 4303  Biogeography
- PCB 4673  Principles of Evolution
- ZOO 4304+L  Marine Vertebrate Zoology (+Lab)
- ZOO 4485  Marine Mammalogy
- ZOO 4513  Animal Behavior

Total Hours  25-27

** Major-Related **

- ECO 3003  Principles of Economic Theory and Public Policy *  3
- FIN 3403  Managerial Finance  3
- MAN 3025  Management Fundamentals  3
- MAR 3023  Marketing Fundamentals  3
- 3000/4000 level Fine Arts Course *  3
- 3000/4000 level Historical Issues Course *  3

Choose two of the following:  5-6

- ACG 3082  Accounting for Non-Majors *
- STA 4173  Biostatistics
- 3000/4000 level Biology Directed Study
- 3000/4000 level Business Elective *

Required:

Animal Science (PAZ) courses transferred from Community College *  11-12

Total Hours  34-36

* May be used to meet General Studies requirements if student has not earned an A.A. from a Florida Public Institution. If the fine arts and historical issues requirements are met with lower division courses, students will be able to select an advisor approved 3000/4000 level course to fulfill the 48 hour upper division requirement.

+ Choosing these 2 Business courses affords students the opportunity to earn a Business Minor. Business minors must also include a computer literacy course. See advisor for details.

# Number of hours varies according to previous selection

** Upper Division Electives **

Student must complete sufficient 3000/4000 level electives to meet UWF's requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours  0-1
The B.A. in Interdisciplinary Social Sciences is for students wishing to pursue careers in fields that focus on solutions to some of society’s most pressing problems. Specializations available are Children and Society and Diversity Studies. Courses in these specializations draw from multiple disciplines. Each specialization features a capstone experience in the senior year, allowing students to reflect on the importance of an interdisciplinary perspective. Students should note that courses taken for the major related block of the program requirements may not be used to complete the requirements for additional majors or minors.

Students interested in obtaining certification to teach this subject area in secondary education need to contact an advisor in this department to carefully plan the course work to satisfy degree and some teacher certification requirements. A degree in this major is required for participation in teacher education certification options.

Program Requirements

In addition to the University’s general requirements, students seeking the B.A. in Interdisciplinary Social Sciences must meet the requirements listed below.

Consult with your academic advisor for courses which may satisfy both the General Studies requirement and common prerequisites.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

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<thead>
<tr>
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<th>Title</th>
<th>Units</th>
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<td>MAC 1140</td>
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<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<td>Analytic Geometry and Calculus II</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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Social Sciences: Historical Perspectives:

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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>PSY 2012</td>
<td>General Psychology</td>
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Social Sciences: Socio-Political Perspectives:

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<td>FIN 2104</td>
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<td>Nations and Regions of the World</td>
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<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td>International Politics</td>
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<td>Introduction to Sociology</td>
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<td>SYG 2010</td>
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Humanities

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<td>STA 2023</td>
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Undergraduate Degrees and Areas of Specialization

Choose one course from each of the following clusters of courses

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<td>LIT 2040 Introduction to Drama</td>
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<td>LIT 1122 Great Books I</td>
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<td>LIT 2100 Introduction to Literature</td>
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<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>ART 1015C Exploring Artistic Vision</td>
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<td>ART 2821 Art and Visual Culture Today</td>
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<td>MUH 2930 The Music Experience: Special Topics</td>
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<td>THE 2000 The Theatre Experience</td>
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<td>THE 2300 Survey of Dramatic Literature</td>
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<td>BSC 2311 Introduction to Oceanography and Marine Biology</td>
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<td>CHM 1204 General Chemistry I</td>
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<td>GEO 1200-L Physical Geography (+Lab)</td>
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<td>GEO 2330 Environmental Science</td>
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<td>GLY 2010 Physical Geology</td>
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<td>MCB 1000 Fundamentals of Microbiology</td>
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<td>PHZ 1450 Exotic Physics</td>
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<tr>
<td>ZOO 1010-L General Zoology (+Lab)</td>
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</table>

* May be taken with or without lab.

** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/)
Students are required to take two introductory courses in social science, and it is recommended that students take 1000/2000 level courses required in their chosen specializations.

Total Hours 6

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 18 hours in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 18-24

Children and Society Specialization

The Interdisciplinary Children and Society program is for students desiring a focused yet broad exposure to the complex and interconnected issues surrounding today’s youth and their families. This program allows students to explore a variety of topics related to the educational and social development of children. Students also have the opportunity to discover the range of challenges and difficulties faced by children. Similarly, the program offers students a chance to identify early warning signs that children are “in trouble” and determine the best courses of action to help children to succeed in a complex world.

With careful selection of courses in consultation with an academic advisor, students in the Children and Society program may also complete the state-approved Professional Education minor. Those students planning to complete the Professional Education minor should consult with the academic advisor concerning program substitutions that can be made to accommodate courses in the minor.

Major

Students pursuing the Minor in Professional Education as part of this degree program must closely consult with their academic advisor to ensure all requirements are met with minimum hours.

Core Courses

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<tr>
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<th>Course Title</th>
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<tr>
<td>CJJ 4010</td>
<td>Juvenile Justice</td>
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<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education</td>
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<tr>
<td>EDG 3323C</td>
<td>General Methods for Teaching K-12 Students</td>
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<td>SOW 3650</td>
<td>Introduction to Child Welfare</td>
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Choose two of the following:

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<td>Adolescents At Risk</td>
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<td>SOW 4242</td>
<td>Families and Family Treatment</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4940</td>
<td>Criminal Justice Internship</td>
<td>3</td>
</tr>
<tr>
<td>PLA 4941</td>
<td>Legal Studies Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4700</td>
<td>Research Design in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4403</td>
<td>Social Work Research Foundations</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 27

Major-Related

Choose from courses not taken as part of the core:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3014</td>
<td>Criminology</td>
<td>6</td>
</tr>
<tr>
<td>CJJ 4141</td>
<td>Restorative Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJC 4167</td>
<td>Alternative Punishments</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4110</td>
<td>Police in a Free Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Diversity Studies Specialization

In the Diversity Studies interdisciplinary specialization, students acquire a fundamental understanding of the theories of diversity, in-depth knowledge of the history and social issues of diverse groups, and the knowledge and tools to analyze diverse cultures. Diversity Studies also provides students with an intellectual framework in which the analysis of diversity can be creatively and critically applied to their personal, familial, professional, and civic roles. This specialization, which also requires the completion of a related approved minor, combines academics and social services, preparing individuals to work in non-profit organizations, businesses, community agencies, human resources, institutional planning, public administration, educational development, or communication. It also prepares students to become effective leaders in promoting institutions, relationships, politics, and services that value diversity and work toward eliminating racial, ethnic, national, and other stereotypes.

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>HIS 3313</td>
<td>Issues in Gender and Diversity</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4911</td>
<td>Interdisciplinary Humanities Capstone</td>
<td>3</td>
</tr>
<tr>
<td>SYD 3810</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 12

Major-Related

Choose six of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4575</td>
<td>Civil Rights</td>
<td>3</td>
</tr>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>North American Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3352</td>
<td>African Cultures</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3363</td>
<td>Japanese Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4332</td>
<td>Cultures of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4321</td>
<td>Cultures of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4451</td>
<td>Race, Ethnicity, and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ARH 3950</td>
<td>Perspectives in Ancient and World Art</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3678</td>
<td>Race, Gender, Ethnicity, and Crime</td>
<td>3</td>
</tr>
<tr>
<td>CPO 3513</td>
<td>Politics of the Far East-Japan and China</td>
<td>3</td>
</tr>
<tr>
<td>GAE 4405</td>
<td>Geography of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>GAE 4635</td>
<td>Geography of the Middle East</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 18
### Undergraduate Degrees and Areas of Specialization

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3421</td>
<td>Cultural Geography</td>
</tr>
<tr>
<td>INP 4224</td>
<td>Psychology of Workforce Diversity</td>
</tr>
<tr>
<td>INR 3006</td>
<td>Conflict, Violence and Peace</td>
</tr>
<tr>
<td>ISC 5517+L</td>
<td>Buddhist Psychology (+Lab)</td>
</tr>
<tr>
<td>LAH 3200</td>
<td>Latin America since Independence</td>
</tr>
<tr>
<td>MAN 4102</td>
<td>Management of Diversity</td>
</tr>
<tr>
<td>MMC 3601</td>
<td>Minorities and the Mass Media</td>
</tr>
<tr>
<td>MMC 4300</td>
<td>Global Communication</td>
</tr>
<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
</tr>
<tr>
<td>REL 3310</td>
<td>Philosophies of the East</td>
</tr>
<tr>
<td>SYO 4530</td>
<td>Inequality in America</td>
</tr>
</tbody>
</table>

**Total Hours:** 18

### Required Minor

Students must complete a minor or its 15 sh equivalent in a field related to the student’s career objectives.

**Total Hours:** 12-18

### Upper Division Electives

The remainder of the program will be comprised of electives that students can select without limitation. However, students will be advised to select additional 3000/4000 level courses to total at least 48sh at the 3000/4000 level if necessary. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses at UWF.

**Total Hours:** 12-18
Social Work

The B.A. in Social Work, accredited by the Council on Social Work Education, prepares students to enter beginning professional social work practice.

Program Requirements

In addition to the University’s general requirements, students seeking the B.A. in Social Work must meet the requirements listed below. Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

The program requires 45 sh in social work courses and 3 sh of prescribed major-related courses and includes two field experiences. A practicum is part of the Introduction to Generalist Practice course, taken in the student’s second term. This course introduces the student to agency practice. A field placement is part of the senior Field Instruction course. Please contact the department for information on prerequisites and additional requirements.

All Social Work courses must be completed with at least a “C” to be counted toward completion of the degree requirements. No prior work or volunteer experience can be accepted for academic credit.

Because this is a professional preparation program, the department has an application for the Field Instruction courses SOW 4510 Social Work Field Instruction and SOW 4522 Senior Seminar. After declaring the Social Work major with the University, students must complete the following courses with a grade of “C” or better in both academic and practice components and complete and submit the Field Instruction application packet.

Social Work majors who have been inactive for three years prior to field placement will be subject to faculty review and may be subject to repeating their practice courses. Students must complete courses required for graduation within five years of entry in the major (usually the junior year) with no less than nine credits completed in any one year.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3103</td>
<td>Human Behavior in Social Environment</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3113</td>
<td>Human Behavior in Organizations and Communities</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>Introduction to the Field of Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3313</td>
<td>Work With Individuals and Families</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3322</td>
<td>Work With Groups</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3350</td>
<td>Interviewing and Recording</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3503</td>
<td>Introduction to Generalist Practice</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4232</td>
<td>Analysis of Social Service Policy</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4233</td>
<td>Human Diversity and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4403</td>
<td>Social Work Research Foundations</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must have a University minimum GPA of 2.0, and a minimum GPA of 2.5 in the major as a prerequisite to SOW 4510 Social Work Field Instruction and SOW 4522 Senior Seminar.

Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Sciences

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td>3</td>
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</table>

Social Sciences: Behavioral Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
<td>3</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td>3</td>
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</table>

Social Sciences: Socio-Political Perspectives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
<td>3</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>FIN 2014</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
<td>3</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>
Choose one course from each of the following clusters of courses

Literature:  3
AML 2072  Sex, Money, and Power in American Literature
IDH 1040  Honors Core 1
LIT 2030  Introduction to Poetry
LIT 2040  Introduction to Drama
LIT 1122  Great Books I
LIT 2100  Introduction to Literature

Fine Arts:  3
ARH 1010  Introduction to Art History
ARH 2050  Western Survey I: Greek to Renaissance
ARH 2051  Western Survey II: Baroque to Contemporary
ART 1015C  Exploring Artistic Vision
ART 2821  Art and Visual Culture Today
MUH 2930  The Music Experience: Special Topics
MUL 2110  Music in Western Civilization
THE 2000  The Theatre Experience
THE 2300  Survey of Dramatic Literature

Contemporary Values and Expressions:  3
PHI 2010  Introduction to Philosophy
PHI 2100  Introduction to Logic
PHI 2103  Critical Thinking
PHI 2603  Ethics in Contemporary Society
REL 1300  Introduction to World Religions
SPC 2608  Basic Communication Skills

Natural Sciences  7
ANT 2511  Biological Anthropology  3
ANT 2511L  Biological Anthropology Lab  1
AST 3033  Modern Astronomy  3
BOT 1010-L  General Botany (+Lab)  4
BSC 1005  General Biology for Non-Majors  *  3
BSC 1005L  General Biology Laboratory for Non-Majors  1
BSC 1050  Fundamentals of Ecology  3
BSC 1085  Anatomy and Physiology I  *  3
BSC 1085L  Anatomy and Physiology I Laboratory  1
BSC 1086  Anatomy and Physiology II  *  3
BSC 1086L  Anatomy & Physiology II Laboratory  1
BSC 2311  Introduction to Oceanography and Marine Biology  *  3
BSC 2311L  Introduction to Oceanography and Marine Biology Laboratory  1
CGS 2060  Excursions in Computing  3
CGS 2060L  Excursions in Computing Lab  1
CHM 1020  Concepts in Chemistry  *  3
CHM 1020L  Concepts in Chemistry Lab  1
CHM 1032  Fundamentals of General Chemistry  *  3
CHM 1032L  Fundamentals of General Chemistry Laboratory  1
CHM 2045  General Chemistry I  *  3
CHM 2045L  General Chemistry I Laboratory  1
CHM 2046  General Chemistry II  *  3
CHM 2046L  General Chemistry II Laboratory  *  1
GEO 1200-L  Physical Geography (+Lab)  4
GEO 2330  Environmental Science  3
GLY 2010  Physical Geology  *  3
GLY 2010L  Physical Geology Laboratory  1
MCB 1000  Fundamentals of Microbiology  *  3
MCB 1000L  Fundamentals of Microbiology Laboratory  1
PHY 1020  Introduction to Concepts in Physics  *  3
PHY 1020L  Introduction to Concepts in Physics Laboratory  1
PHY 2048  University Physics I  **  3
PHY 2048L  University Physics I Lab  1
PHY 2049  University Physics II  **  3
PHY 2049L  University Physics II LAB  1
PHY 2053  General Physics I  **  3
PHY 2053L  General Physics I Laboratory  1
PHY 2054  General Physics II  *  3
PHY 2054L  General Physics II Laboratory  1
PHZ 1450  Exotic Physics  3
ZOO 1010-L  General Zoology (+Lab)  4

ANT 2511  Biological Anthropology  3
ANT 2511L  Biological Anthropology Lab  1
AST 3033  Modern Astronomy  3
BOT 1010-L  General Botany (+Lab)  4
BSC 1005  General Biology for Non-Majors  *  3
BSC 1005L  General Biology Laboratory for Non-Majors  1
BSC 1050  Fundamentals of Ecology  3
BSC 1085  Anatomy and Physiology I  *  3
BSC 1085L  Anatomy and Physiology I Laboratory  1
BSC 1086  Anatomy and Physiology II  *  3
BSC 1086L  Anatomy & Physiology II Laboratory  1
BSC 2311  Introduction to Oceanography and Marine Biology  *  3
BSC 2311L  Introduction to Oceanography and Marine Biology Laboratory  1
CGS 2060  Excursions in Computing  3
CGS 2060L  Excursions in Computing Lab  1
CHM 1020  Concepts in Chemistry  *  3
CHM 1020L  Concepts in Chemistry Lab  1
CHM 1032  Fundamentals of General Chemistry  *  3
CHM 1032L  Fundamentals of General Chemistry Laboratory  1
CHM 2045  General Chemistry I  *  3
CHM 2045L  General Chemistry I Laboratory  1
CHM 2046  General Chemistry II  *  3
CHM 2046L  General Chemistry II Laboratory  *  1
GEO 1200-L  Physical Geography (+Lab)  4
GEO 2330  Environmental Science  3
GLY 2010  Physical Geology  *  3
GLY 2010L  Physical Geology Laboratory  1
MCB 1000  Fundamentals of Microbiology  *  3
MCB 1000L  Fundamentals of Microbiology Laboratory  1
PHY 1020  Introduction to Concepts in Physics  *  3
PHY 1020L  Introduction to Concepts in Physics Laboratory  1
PHY 2048  University Physics I  **  3
PHY 2048L  University Physics I Lab  1
PHY 2049  University Physics II  **  3
PHY 2049L  University Physics II LAB  1
PHY 2053  General Physics I  **  3
PHY 2053L  General Physics I Laboratory  1
PHY 2054  General Physics II  *  3
PHY 2054L  General Physics II Laboratory  1
PHZ 1450  Exotic Physics  3
ZOO 1010-L  General Zoology (+Lab)  4

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/)
Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

POS 2041  American Politics  * 3
PSY 2012  General Psychology  * 3
SYG 2000  Introduction to Sociology  * 3
Choose one of the following:  3
ECO 2013  Principles of Economics Macro  *
ECO 2023  Principles of Economics Micro
Choose one of the following:  3
BSC 1005  General Biology for Non-Majors  *
BSC 1085  Anatomy and Physiology I  *

Total Hours  15

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours  9-21

Major

SOW 3103  Human Behavior in Social Environment  3
SOW 3113  Human Behavior in Organizations and Communities  3
SOW 3203  Introduction to the Field of Social Work  3
SOW 3313  Work With Individuals and Families  3
SOW 3322  Work With Groups  3
SOW 3350  Interviewing and Recording  3
SOW 3503  Introduction to Generalist Practice  3
SOW 4232  Analysis of Social Service Policy  3
SOW 4233  Human Diversity and Social Justice  3
SOW 4403  Social Work Research Foundations  3
SOW 4510  Social Work Field Instruction  9
SOW 4522  Senior Seminar  3
Choose one of the following:  3
SOW 3314  Case Management
SOW 3620  Practice with Culturally Diverse Populations
SOW 3650  Introduction to Child Welfare
SOW 4111  Adolescents At Risk
SOW 4242  Families and Family Treatment
SOW 4674  Social Issues and Intervention Strategies in Social Work Practice with Older Adults
SOW 4700  Substance Abuse Prevention and Treatment: Special Issues
SOW 4740  Dimensions of Death and Dying: Special Issues

Total Hours  45

Major-Related

Choose one of the following:  3
CLP 3144  Abnormal Psychology
PPE 4003  Theories of Personality

Total Hours  3

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours  12

Minors

A grade of “C” or higher is required in all courses in the minor.

Aging Studies Interdisciplinary

The minor in Aging Studies provides a broad orientation to the field of gerontology and service to the elderly. This minor is available to all students.

PEC 4113  Aging and Physical Performance  3
SOW 4674  Social Issues and Intervention Strategies in Social Work Practice with Older Adults  3
SOW 4740  Dimensions of Death and Dying: Special Issues  3
Choose one of the following:  3
DEP 4404  Adulthood and Aging
HSA 4110  Health Care Policy and Administration
HSC 4120  Consumer Health Education
PLA 4607  Wills, Estates, and Trusts
A practicum or other elective may be approved by department Chairperson

Total Hours  12

Child Welfare

The purpose of this minor is to introduce and provide information to any interested person regarding the social problems of children and families and the availability of services to families in need. This minor is available to all students. Other electives may be approved by department chairperson.

SOW 3650  Introduction to Child Welfare  3
Choose one of the following:  3
DEP 3103  Child Development
DEP 4305  Psychology of Adolescence
Choose one of the following:  3
SOW 4111  Adolescents At Risk
SOW 4242  Families and Family Treatment
Choose one of the following:  3
DEP 3103  Child Development *
DEP 4305  Psychology of Adolescence *
EAB 4704  Introduction to Behavior Modification
HSC 4633  Current Issues in School-Community Health
SOW 3314  Case Management
SOW 4111  Adolescents At Risk *
SOW 4141  Social Aspects of Family Violence
SOW 4242  Families and Family Treatment *
SYO 3100  The Family

Total Hours  12

* May be used if not taken as a required course.

Social Welfare

The Minor in Social Welfare includes the two beginning courses designed to orient students to social work philosophy, ethics, and practice areas and two social work electives. All courses must be taken at UWF. This minor is not available to Social Work Majors. Other electives may be approved by department chairperson.
Undergraduate Degrees and Areas of Specialization

BSC 1005  General Biology for Non-Majors  3
SOW 3103  Human Behavior in Social Environment  3
SOW 3203  Introduction to the Field of Social Work  3
Choose two of the following:  6
  SOW 3314  Case Management
  SOW 3650  Introduction to Child Welfare
  SOW 4111  Adolescents At Risk
  SOW 4141  Social Aspects of Family Violence
  SOW 4242  Families and Family Treatment
  SOW 4700  Substance Abuse Prevention and Treatment: Special Issues
  SOW 4740  Dimensions of Death and Dying: Special Issues
Total Hours  15

Substance Abuse

The Minor in Substance Abuse fulfills some of the requirements for certification from the Certification Board for Addiction Professionals of Florida. This minor is available to all students. A substitute course may be approved by department chairperson.

NSP 4545  Drugs and the Human Body  3
PCO 4310  Intervention in Addictions  3
SOW 4700  Substance Abuse Prevention and Treatment: Special Issues  3
Choose one of the following:  3
  CLP 4314  Health Psychology
  SOW 3314  Case Management
Total Hours  12

Certificates

Children’s Services Certificate

Department: Social Work
Method of Instruction: Classroom
Semester Hours: 9

Provides Bachelors of Social Work students with the educational experiences necessary to be effective child welfare workers. Participants will be expected to participate in a range of focused educational experiences and take positions in foster care and adoptions with C&F agencies upon graduation. This certificate is only available for Social Work majors.

SOW 3650  Introduction to Child Welfare  3
SOW 4242  Families and Family Treatment  3
SOW 4522  Senior Seminar *  3
Total Hours  9

* In an IVE funded child welfare agency—400 contact hours
Theatre

The B.A. in Theatre is a degree in general theatre designed for the student seeking overall experience in theatre.

All students are invited to participate in University theatre productions and to take courses in theatre.

Program Requirements

In addition to the University general requirements, students seeking the B.A. in Theatre must meet the requirements listed below.

All course work included in the major must be accomplished with a minimum grade of “C”.

General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 34)” section of this catalog.

General Studies Curriculum:

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<table>
<thead>
<tr>
<th>Social Sciences</th>
<th>9</th>
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</table>

Choose one course from each of the following clusters of courses

Social Sciences: Historical Perspectives: 3
- AMH 2010 United States to 1877
- AMH 2020 United States since 1877
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II

Social Sciences: Behavioral Perspectives: 3
- ANT 2000 Introduction to Anthropology
- ANT 2100 Introduction to Archaeology
- CCJ 2002 Survey of Crime and Justice
- DEP 2004 Human Development Across the Lifespan
- PSY 2102 General Psychology
- SOW 2192 Understanding Relationships in the 21st Century

Social Sciences: Socio-Political Perspectives: 3
- ANT 2400 Current Cultural Issues
- CPO 2002 Comparative Politics
- ECO 2103 Principles of Economics Macro
- FIN 2104 Personal Financial Planning
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2103 Survey of American Law
- POS 2041 American Politics
- SYG 2000 Introduction to Sociology
- SYG 2100 Current Social Problems

Humanities 8-9

Choose one course from each of the following clusters of courses

Literature: 3
- AML 2072 Sex, Money, and Power in American Literature
- IDH 1040 Honors Core 1
- LIT 2030 Introduction to Poetry
- LIT 2040 Introduction to Drama
- LIT 1122 Great Books I
- LIT 2100 Introduction to Literature

Fine Arts: 3
- ARH 1010 Introduction to Art History
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015C Exploring Artistic Vision
- ART 2821 Art and Visual Culture Today
- MUH 2930 The Music Experience: Special Topics
- MUL 2110 Music in Western Civilization
- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature

Contemporary Values and Expressions: 3
- PHI 2010 Introduction to Philosophy
- PHI 2100 Introduction to Logic
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 Introduction to World Religions
- SPC 2608 Basic Communication Skills

Natural Sciences 7
Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

**Total Semester Hours:** 36-37

### Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

**Total Hours:** 21-23

#### Recommended:
- **TPP 1282** Voice and Movement for the Stage 3

### Major

**Theatre Core:**
- **THE 3090** Theatrical Production & Performance (1 sh for 4 semesters) 22
- **THE 3112** History of Theatre I 3
- **THE 3113** History of Theatre II 3
- **THE 3306** Dramatic Literature II 3
- **TPP 3310** Play Directing 1
- **TPP 3650** Script Analysis 3
- **THE 4970** Senior Project 3

Choose one of the following Theatre Tracks:
- **TPP 3155** Acting II 18
  - **TPP 2000** Design for the Theatre 3
  - **TPP 4045** Costume Design I 3

#### Performing Arts Track
- **TPA 2000** Design for the Theatre 3
- **TPA 4504** Performing Arts Administration 3

Choose three of the following:
- **THE 3243** Musical Theatre History 3
- **THE 3481** Dramaturgy 1
- **THE 4260** Costume History 1
- **TPA 3601** Stage Management 3
- **TPP 3155** Acting II 1
  - **TPA 3020** Lighting Design I 3
  - **TPA 3060** Scene Design I 3

#### Acting Track
- **TPA 2000** Design for the Theatre 3
- **TPP 3121** Acting Improvisation 3
- **TPP 3155** Acting II 3
- **TPP 3321** Audition Techniques 3
- **TPP 3260** Acting for the Camera 3

#### Design Technology Track
- **TPA 3344** Drafting for the Stage 3
- **THE 4260** Costume History 3

Choose two of the following:
- **TPP 2100** Acting for Non-majors 3
- **TPP 2190** Rehearsal and Performance 3

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Total Hours** 0-6
TPA 3020 Lighting Design I
TPA 3060 Scene Design I
TPA 4045 Costume Design I
Choose one of the following:
TPA 4021C Lighting Design II
TPA 4046 Costume Design II
TPA 4061 Scene Design II
Choose two of the following:
TPA 2248 Introduction to Stage Makeup
TPA 3223 Lighting Technology
TPA 3230 Costume Construction
TPA 3313 Scenic Technology
TPA 3601 Stage Management
TPA 4504 Performing Arts Administration

Total Hours 40

Upper Division Electives
Student must complete sufficient 3000/4000 level electives to meet UWF's requirement of 48 sh in the upper division or complete all departmental requirements at the 3000/4000 level, whichever is greater.

Total Hours 8

Minors

Theatre
The Minor in Theatre requires 17 sh of theatre courses, which must include:
• 2 sh of Theatrical Production and Performance Laboratory
• One acting course
• 12 sh of approved upper division theatre courses
A grade of “C” or higher is required in all courses in the minor. The minor must be declared prior to the completion of two courses. Theatre majors may not earn this minor.
## Theatre, Fine Arts

The Bachelor of Fine Arts Degree in Musical Theatre is pre-professional degree in performance. The Musical Theatre program is for the serious student interested in building their vocal and acting performance. The student receives vocal training throughout the program and has the opportunity to build their skills through the course work and the departmental productions. This program is audition only. Students interested in auditioning for the program must apply in the spring of their freshman year. Transfer students must also audition to be accepted into the BFA program.

### Program Requirements

In addition to general University requirements, students seeking the BFA in Music Theatre must meet the requirements below:

- Maintain a GPA of 2.50 or higher
- A grade of 'C' or better is required in all Theatre Courses
- Audition for all UWF Theatre Productions

**Required Prior to Admission to BFA:**

- A 'B' or better in THE2000 or equivalent course
- A 'B' or better in TPP2110 or equivalent course

### General Studies

In addition to the general studies requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Studies curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 34)" section of this catalog.

#### General Studies Curriculum:

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### Humanities

Choose one course from each of the following clusters of courses

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Take two of the following courses, including at least one with lab:

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<td>ZOO 1010+L</td>
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* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.

Total Semester Hours: 36-37

Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual) for course substitutions from Florida colleges and universities.

**Common Prerequisite Man**

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<td>THE 2300</td>
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Choose one of the following:

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<th>Course Name</th>
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<td>TPP 2190</td>
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</table>

Total Hours: 21-23

* Indicates common prerequisites which can be used to satisfy General Studies requirements.

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours: 0-6

The following course is recommended:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPP 1282</td>
<td>Voice and Movement for the Stage</td>
<td>3</td>
</tr>
</tbody>
</table>

Major

Theatre Core:

<table>
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<th>Hours</th>
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<tbody>
<tr>
<td>THE 3112</td>
<td>History of Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>THE 3113</td>
<td>History of Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>TPA 2000</td>
<td>Design for the Theatre</td>
<td>1</td>
</tr>
<tr>
<td>TPA 3310</td>
<td>Play Directing</td>
<td>3</td>
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<td>Script Analysis</td>
<td>6</td>
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Acting Core:

<table>
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</thead>
<tbody>
<tr>
<td>TPP 1282</td>
<td>Voice and Movement for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>TPP 3155</td>
<td>Acting II</td>
<td>3</td>
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<tr>
<td>TPA 2248</td>
<td>Introduction to Stage Makeup</td>
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<td>THE 3090</td>
<td>Theatrical Production &amp; Performance</td>
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<tr>
<td>THE 4970</td>
<td>Senior Project</td>
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Music Theatre Specialization:

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<th>Hours</th>
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</thead>
<tbody>
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<td>Music Theatre Fundamentals</td>
<td>3</td>
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<tr>
<td>TPP 3257</td>
<td>Musical Theatre Voice</td>
<td>2</td>
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<td>MUN 3XXX</td>
<td>Music Ensemble</td>
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<td>TPP 3221</td>
<td>Audition Techniques</td>
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<td>TPP 4113</td>
<td>Acting III</td>
<td>3</td>
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<tr>
<td>DAA 2000</td>
<td>Dance Fundamentals</td>
<td>3</td>
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<tr>
<td>DAA 3004</td>
<td>Dance Styles I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; DAA 3005</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DAA 3006</td>
<td>Dance Styles II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; DAA 3006</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>TPP 3221</td>
<td>Audition Techniques</td>
<td>1</td>
</tr>
<tr>
<td>THE 3243</td>
<td>Musical Theatre History</td>
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</tr>
<tr>
<td>TPP 3250</td>
<td>Musical Theatre Performance</td>
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</tr>
</tbody>
</table>

Total Hours: 65

1 1 sh each taken for 4 semesters
2 1 sh each taken for 6 semesters
3 1 sh each taken for 2 semesters
4 1 sh each taken for 3 semesters
Minors

Theatre

The Minor in Theatre requires 17 sh of theatre courses, which must include 2 sh of Theatrical Production and Performance Laboratory, one acting course, and 12 sh of approved upper division theatre courses. A grade of “C” or higher is required in all courses in the minor. The minor must be declared prior to the completion of two courses. Theatre majors may not earn this minor.
Course Information

In this section:

- Course Descriptions (http://catalog.uwf.edu/courseinformation/courses)
- General Course Information (p. 271)
- Course Schedule by Semester (https://nautical.uwf.edu/display.cfm?target=courseSearch)
- Equipment Fees (p. 273)
- Material and Supply Fees (p. 276)

General Information

Florida Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
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</thead>
<tbody>
<tr>
<td>ENC</td>
<td>Lower</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

English (Freshman)

Composition at this institution

Skills I in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition;” the century digit “1” represents “Freshman Composition;” the decade digit “0” represents “Freshman Composition Skills;” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101.

Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

“Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the
courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students."

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the _900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses, and Dissertations.
D. College preparatory and vocational preparatory courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

UWF course equivalents are determined based on the Statewide Course Numbering System (SCNS), or if not part of the SCNS, after consultation with the appropriate academic departments. Factors that may be considered in making determinations for transfer of credit and for course equivalents include, but are not limited to, course description, course student learning outcomes, course syllabi, course text and other learning materials, qualifications of the course instructor, accredited status of the institution originally awarding the credit, time elapsed since the course work was completed, and student grades in courses taken at UWF.

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Registrar’s Office or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at (850) 245-0427 or at http://scns.fldoe.org.

How to Find Courses

Please consult the Course Descriptions (http://catalog.uwf.edu/courseinformation/courses) section of the catalog for specific course information.

Course Level

Lower Division Courses have a "1" or "2" as the first digit of the course number. Upper Division Courses have a "3" or "4" as the first digit of the course number.

Graduate Courses have a "5," "6," "7," or "8" as the first digit of the course number.

Classification of Courses

The University course numbering system is as follows:

<table>
<thead>
<tr>
<th>Course Range</th>
<th>Open To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-2999</td>
<td>Freshman, sophomores, and non-degree students, unless otherwise noted</td>
</tr>
<tr>
<td>3000-4999</td>
<td>Open to freshmen, sophomores, juniors, seniors, and non-degree students</td>
</tr>
<tr>
<td>5000-5999</td>
<td>Open to all degree-seeking and non-degree graduate students. Juniors and seniors may register for 5000-level courses under certain conditions</td>
</tr>
<tr>
<td>6000-7999</td>
<td>Restricted to students enrolled in graduate programs and other post baccalaureate students who may be admitted at the discretion of the department chairperson. Non-degree students must have permission of the specific course instructor to register for 6000-level courses</td>
</tr>
<tr>
<td>8000-8999</td>
<td>Restricted to students enrolled in the doctoral program</td>
</tr>
</tbody>
</table>

Permission Courses

Departments may restrict enrollment in specific courses to students in the major or other categories of students based on academic needs and requirements. These courses are noted in the online course search. Students should refer to the Navigation Guide for registration procedures.

Unassigned Course Numbers (XXX and ——)

Courses listed in degree plans with XXX as the last three digits of a course number are pending assigned course numbers within
the Statewide Common Course Numbering System. Information
concerning these courses must be obtained from the offering
department.

Hours
The number of credit hours follows each course listing. Directed
study, internship, thesis, practicum, and some other courses are
offered on a variable hours basis. For these courses, the minimum
and maximum number of hours will be indicated. The number of hours will
be determined in consultation with the instructor and advisor.

Semester Course Offered
Please consult the academic department offering a course for
information concerning semester(s) in which a particular course is
normally offered. Potential course offerings are subject to change
based upon student enrollment, faculty availability, program changes,
etc. Students should contact their advisor when developing schedules
to ensure timely completion of prerequisites and courses required for
graduation.

Course Prerequisites/Corequisites
It is the student's responsibility to review the prerequisite and
corequisite requirements included as part of the course description.
Students who have not successfully completed the specific courses
identified may not take the course without the instructor's permission.
Departments that enforce prerequisites will cancel the registration in
a course of a student who does not meet the course prerequisites.
A student whose registration is cancelled will be notified via his/her
UWF email account. For further information about prerequisites and
corequisites, please contact the offering department and review the
information found in the Registration & Records section of this Catalog.

990-999 Course Numbers
Courses in the 990-999 series are not identified in the University
catalog and are exceptions to the general rule for course equivalencies
and may not be transferable. Transfer credit is at the discretion of the
receiving institution. These courses are semester specific and may
change in title, content, and credit hours.

Courses with Special Fees

Equipment Fees

Material and Supply Fees

Equipment Fees
Equipment fees are assessed by departments to offset the cost of
significant equipment that is used to prepare students for their careers
or professions and are used for instructional purposes only with direct
use by students.

Anthropology

<table>
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<tr>
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<tbody>
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<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ANG 6824**</td>
<td>$100-200</td>
</tr>
</tbody>
</table>

*Summer course only. **Summer only course. Fees vary depending on
use of terrestrial ($100) or maritime ($200) methods.

Art

<table>
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<tr>
<th>Course</th>
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<tbody>
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<td>ART 2600C</td>
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<td>ART 2701C</td>
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<td>ART 3484C</td>
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<td>ART 3613C</td>
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<tr>
<td>ART 3618C</td>
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<td>ART 3630C</td>
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Biology

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### Course Information

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<td>BSC 1085L</td>
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### Clinical Laboratory Sciences

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### Communication

#### Arts

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### Electrical & Computer Engineering

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Material and supply fees are assessed for certain courses to offset the cost of materials or supply items consumed in the course of instruction.

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ACCOUNTING: GENERAL Courses

ACG 2021   Principles of Financial Accounting
3 sh (may not be repeated for credit)
Introduction to financial accounting as an information and decision support system for users of financial information.

ACG 2071   Principles of Managerial Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 2021
Role of accounting as a tool in decision making process within economic framework of the firm.

ACG 3082   Accounting for Non-Majors
3 sh (may not be repeated for credit)
Coverage of financial, managerial, and cost accounting topics with an emphasis on uses of accounting information; available to non-business majors only.

ACG 3101   Intermediate Financial Accounting I
3 sh (may not be repeated for credit)
Prerequisite: ACG 2071 and GGS 2570

ACG 3111   Intermediate Financial Accounting II
3 sh (may not be repeated for credit)
Prerequisite: ACG 3101, FIN 3403
Continuation of ACG 3101.

ACG 3172   Financial Accounting Topics
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403
Explain/analyze complexities of leases, pensions, income taxes, long-term debt, long-term investments, stockholders' equity, accounting changes, and other financial components from a financial statement user perspective. Available to non-accounting majors only.

ACG 3311   Applied Managerial Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 2021 and ACG 2071
Gives students an opportunity to have basic business decision making skills on accounting information. Students will analyze cases involving various business situations. Topic areas to be covered include financial statement analysis, cost-volume-profit analysis, budgeting, performance evaluation, and special decision making. Available to non-accounting majors only.

ACG 3343   Cost Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 2071, CGS 2570
Provides students with the skills to prepare accounting information for use in the management decision making process. Contains material on accounting system design, budgeting, standard costing, direct costing, performance evaluation, and use of accounting information.

ACG 3401   Accounting Information Systems
3 sh (may not be repeated for credit)
Prerequisite: ACG 3101
Design of systems to capture, process and report accounting information.

ACG 3949   Cooperative Education
1-2 sh (may be repeated for up to 4.0 sh of credit)
Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation, confirming educational and career goals, personal and professional development, early start in career, earnings toward self-support, and improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of the director of Cooperative Education is required.

ACG 4151   Accounting Theory
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111
Critical evaluation of broad framework of financial accounting theory.

ACG 4174   Special Topics in Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3101
Provides exposure to recent issues and developments in financial accounting and the more significant areas that are of continuing interest. Offered concurrently with ACG 5807; graduate students will be assigned additional work. Derivatives, environmental remediation, segment reporting present value based measurements, domestic and international standard setting, and business combinations. Offered concurrently with ACG 5807; graduate students will be assigned additional work.

ACG 4201   Advanced Financial Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111
Problems in external financial reporting including business combinations and consolidated financial statements, foreign operations, and partnerships. Offered concurrently with ACG 5205; graduate students will be assigned additional work.

ACG 4501   Governmental and Non-Profit Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111
Principles of financial accounting and reporting for governmental and nonprofit organizations. Offered concurrently with ACG 5658; graduate students will be assigned additional work.

ACG 4651   Auditing
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111 and ACG 3401
Philosophy of financial auditing by public accountant; techniques and procedures to investigate and appraise accounting systems and financial statements; types of opinions, current literature, and official pronouncements; ethical and legal implications.

ACG 4682   Forensic Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3101
The purpose is to acquaint the student with both the pervasiveness of and the causes of financial fraud in our society, and to explore in detail the methods in which financial fraud is perpetrated.
ACG 4941 Accounting Internship
1-6 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ACG 3101
Supervised field practicum in accounting-related position. May include activities in professional accounting, accounting information systems, or controllership. Graded on satisfactory/unsatisfactory basis only. Permission is required.

ACG 5205 Advanced Financial Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111
Problems in external financial reporting including business combinations and consolidated financial statements, foreign operations, and partnerships. Offered concurrently with ACG 4201; graduate students will be assigned additional work.

ACG 5255 International Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111, ACG 4151

ACG 5658 Governmental and Non-Profit Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111
Principles of financial accounting and reporting for governmental and nonprofit organizations. Offered concurrently with ACG 4501; graduate students will be assigned additional work.

ACG 5807 Special Topics in Accounting
3 sh (may not be repeated for credit)
Provides exposure to recent issues and developments in financial accounting and the more significant traditional areas that are of continuing interest. Offered currently with ACG 4501; graduate students will be assigned additional work.

ACG 6308 Advanced Managerial Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 3343
Management control and behavior, control structures, responsibility accounting, cost/profit/investment centers, budgets and performance evaluation, control of projects, control in service, and non-profit organizations.

ACG 6309 Accounting Aspects of Business Policy Determination
3 sh (may not be repeated for credit)
Budgeting, profit planning, and controlling aspects of business policy determination. Available to non-accounting majors only.

ACG 6405 Accounting Information Systems
3 sh (may not be repeated for credit)
Prerequisite: ACG 3401
A seminar for the study of contemporary accounting system topics with an emphasis on internal controls. Primary emphasis is placed on an accounting system design project.

ACG 6805 Seminar in Financial Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 4151
A blend of traditional and contemporary accounting issues with focus on the development of financial accounting theory, the relationship of theory and research to standard setting, and discussion of current accounting standards. Examines the objectives, measurement models, controversies, and philosophy of financial accounting.

ACG 6856 Advanced Auditing
3 sh (may not be repeated for credit)
Prerequisite: ACG 4651
Current professional practice, with emphasis on transaction cycles, risk analysis and the body of professional literature, including pronouncements of the Auditing Standards Board.

ADVERTISING Courses

ADV 2214 Advertising Graphics I
3 sh (may not be repeated for credit)
Prerequisite: Major or Minor in Communication Arts
Provides an introduction to the use of computers in the communication professions. Students will get "hands-on" experience using selected Adobe Creative Suite applications (Photoshop, Illustrator, and InDesign) for advertising and publication design on Mac platform. Some basic design principles will be introduced along with the use of software. Acceptable prerequisite for advanced computer-based Communication Arts courses.

ADV 3000 Introduction to Advertising
3 sh (may not be repeated for credit)
Advertising as an institution, strategy development, and creative execution in the advertising media. Provides a basic understanding of the advertising process, advertising's role in society, its procedures and practices.

ADV 3101 Creative Strategy and Tactics I
3 sh (may not be repeated for credit)
Prerequisite: ADV 3000, ADV 2214
Covers the strategy, conceptualization, and execution of effective advertising. Professional advertising writing and art direction for both print and broadcast will be addressed. Familiarity with desktop publishing, especially Adobe Creative Suite is required.

ADV 3213 Advertising Graphics II
3 sh (may not be repeated for credit)
Prerequisite: ADV 2214
Addresses professional publication design theory and practice. Subjects include magazine, newsletter, collateral, and brochure design. Design topics include: typography, grids, graphics, paper, color, and identity. Commercial and desktop publishing are incorporated from a designer's viewpoint. Familiarity with desktop publishing, especially Adobe Creative Suite and Macintosh platform is required. Credit may not be received in both ADV 3213 and ADV 3213C.

ADV 3300 Advertising Media
3 sh (may not be repeated for credit)
Prerequisite: ADV 3000
Analysis and evaluation of advertising media, market analysis, media planning, media strategies, discussions, and costs. Credit may not be received in both ADV3300 and ADV 3300C.
ADV 4202  Creative Strategy and Tactics II
3 sh (may not be repeated for credit)
Prerequisite: ADV 3101
Advanced creative direction theory and execution. Course will build professional level portfolio. Students will learn how to find a job opening, create job search materials (including an advertising portfolio), acquire the skills needed to apply and interview for a job, and learn how to successfully negotiate getting hired. Students will also gain valuable experience learning to rely on themselves, and their own resourcefulness to succeed in class and life.

ADV 4801  National Student Advertising Competition
3 sh (may be repeated for up to 6.0 sh of credit)
Preparation for American Advertising Federation competition. Student agency prepares complete campaign, including: market research and segmentation, media and promotion plans, strategy, creation, and presentation. Professional standards stressed. Permission is required. Credit may be received in ADV 4801 and ADV 4801C up to 6 sh.

ADV 4802  Integrated Communication-Campaigns
3 sh (may not be repeated for credit)
The capstone experience for advertising and public relations majors. Prepare complete integrated communication campaign, including: research, strategy, design, copy, and presentation to client. Senior major or minor status in advertising or public relations required.

AFRICAN HISTORY Courses
AFH 4503  Africans in the Atlantic World
3 sh (may not be repeated for credit)
Africans comprised roughly two-thirds of 12 million migrants to the Americas between the 15th and 19th centuries. Course examines their experiences and their descendants in the making of the Atlantic world. Surveys critical time periods, institutions, individuals, and events, in the development of Creole societies throughout the Atlantic littoral. Emphasis placed on the construction of a "black Atlantic" identity among Africans and African-descended people throughout the Atlantic world. Special attention is paid to the history of West Africa. Story is told from an African point of view.

AIR FORCE: AEROSPACE STUDIES Courses
AFR 1000  Air Force ROTC Physical Training
0 sh (may not be repeated for credit)
A mandatory course for all AFROTC students. The purpose is to enhance the fitness level of cadets and prepare them to meet AFROTC and Air Force standards, motivate cadets to pursue a physically fit and active lifestyle, improve both the safety and efficiency of physical training within AFROTC. AFROTC-sponsored PT activities include, but are not limited to, conditioning exercises, calisthenics, 1.5 mile run (PFT), Warrior Runs, etc. The Cadet PT program is an essential component of Leadership Laboratory. In order to successfully complete the PT portion of Leadership Laboratory, cadets must meet the attendance requirements IAW AFROTCI 36-2017, paragraph 1.

AFR 1101  The Foundations of the United States Air Force I
1 sh (may not be repeated for credit)
Study of the Air Force in the contemporary world. Examines the U.S. Air Force mission and organization, officerhood and professionalism, military customs and courtesies, and an introduction to community skills. Leadership laboratory activities are included.

AFR 1101L  The Foundations of the United States Air Force I Lab
0 sh (may not be repeated for credit)
Co-requisite: AFR 1101
Corresponding lab for The Foundations of the United States Air Force I.

AFR 1112  The Foundations of the United States Air Force II
1 sh (may not be repeated for credit)
Introduces Air Force core values and offers the student an opportunity to learn about leadership, its principles, and its effective traits. The course discusses Air Force heritage and legacy. Students are also introduced to basic oral and written communication skills. The course continues by exploring war, its basic principles, and motivation. The course concludes with an understanding of the Air Force oath of office and how human relations can affect them as an Air Force Officer. Leadership laboratory is mandatory for AFROTC contract/pursuing cadets and complements this course by providing cadets with followership experiences.

AFR 1112L  The Foundations of the United States Air Force II Lab
0 sh (may not be repeated for credit)
Co-requisite: AFR 1112

AFR 2130  The Evolution of USAF Air and Space Power I
1 sh (may not be repeated for credit)
Study of the component of air and space power from balloons and dirigibles up to the Korean Conflict. Students will be introduced to the Air Force methods of effective communication. Leadership laboratory activities are included.

AFR 2130L  The Evolution of USAF Air and Space Power I Lab
0 sh (may not be repeated for credit)
Co-requisite: AFR 2130

AFR 2132  The Evolution of USAF Air and Space Power II
1 sh (may not be repeated for credit)
Study of air and space power following the Korean War. Course deals with the peaceful employment of U.S. air power in relief missions and civic actions program in the late 1960s and the air war in South Asia. It also covers the buildup of air power during the 1980s and the changes brought about by Desert Storm. Leadership laboratory activities include preparation for field training.

AFR 2132L  The Evolution of USAF Air and Space Power II Lab
0 sh (may not be repeated for credit)
Co-requisite: AFR 2132

AFR 3221  Air Force Leadership and Management I
3 sh (may not be repeated for credit)
Integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivation and behavioral processes, leadership, ethics, communication, and group dynamics provide a foundation for the development of the junior officer’s professional skills as an Air Force officer. The basic managerial processes involving decision-making, and the use of analytic aids in planning, organization, and controlling in a changing environment are emphasized. Laboratory provides opportunities for practical application of leadership skills.

AFR 3221L  Air Force Leadership and Management I Lab
0 sh (may not be repeated for credit)
Co-requisite: AFR 3221
Corresponding lab for AFR 3221.
AFR 3232  Air Force Leadership and Management II  
3 sh (may not be repeated for credit)  
Organizational and personal values, quality management of forces in change, organizational power, politics, managerial strategy and tactics, military justice, and administrative laws are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes. Leadership laboratory included.  
AFR 3232L  Air Force Leadership and Management II Lab  
0 sh (may not be repeated for credit)  
Co-requisite: AFR 3232  
Corresponding lab for Air Force Leadership and Management II.  
AFR 4211  National Security Forces in Contemporary American Society I  
3 sh (may not be repeated for credit)  
Focuses on the Armed Forces as an integral element of society. Emphasizes the broad range of American civil-military relations, the environmental context in which U.S. defense policy is formulated and implemented, the societal attitudes toward the military, and the role of the professional military leader-manager in a democratic society. Each student prepares individual and group presentations for the class, writes reports, and participates in group discussions and seminars. Laboratory provides opportunities for practical application of leadership skills.  
AFR 4211L  National Security Forces in Contemporary American Society I Lab  
0 sh (may not be repeated for credit)  
Co-requisite: AFR 4211  
Corresponding lab for National Security Forces in Contemporary American Society I.  
AFR 4214  National Security Forces in Contemporary American Society II  
3 sh (may not be repeated for credit)  
Stresses the fundamental values and socialization process associated with the Armed Services; the requisites for maintaining adequate national security forces; the political, economic, and social constraints on the national defense structure; the impact of technological and international developments on strategic preparedness; and the manifold variables involved in the formulation and implementation of national policy. Leadership laboratory included.  
AFR 4214L  National Security Forces in Contemporary American Society II Lab  
0 sh (may not be repeated for credit)  
Co-requisite: AFR 4214  
Corresponding lab for National Security Forces in Contemporary American Society II.  

AMERICAN HISTORY Courses  
AMH 2020  United States since 1877  
3 sh (may not be repeated for credit)  
Survey of the United States history beginning in 1877 and ending with a discussion of America in the present era. Examines political, economic, and social developments. (General Studies Course: SS/HIS).  
AMH 2030  United States to 1877  
3 sh (may not be repeated for credit)  
Survey of the United States history beginning with Native American cultures on the eve of colonization through the end of Reconstruction. Examines political, economic, and social developments. (General Studies Course: SS/HIS).  
AMH 3540  American Military History  
3 sh (may not be repeated for credit)  
The American military experience from the colonial era to the present, including causes, conduct, and consequences of wars in American history, civil-military relations, and technology.  
AMH 4111  Colonial America  
3 sh (may not be repeated for credit)  
History of British Colonial America (1585-1776); founding of the colonies; development of economic, social, and political structures; the maturing of the colonies; and background to the American Revolution.  
AMH 4131  American Revolutions, 1763-1828  
3 sh (may not be repeated for credit)  
The social, economic and political histories of the American, Spanish-American and Haitian revolutions between 1763 and 1828.  
AMH 4150  Early American Republic: 1789-1860  
3 sh (may not be repeated for credit)  
Examines the major issues, events, and figures that defined Jacksonian America, the period from the end of the War of 1812 to the Compromise of 1850. All aspects of the Jacksonian era will be covered—social, cultural, economic, political, constitutional, diplomatic, and military.  
AMH 4202  From Stalin to Star Wars: The Cold War and American Culture  
3 sh (may not be repeated for credit)  
Progression and complexities of the Cold War through both global and domestic arenas, from the rise of Communism to the collapse of the Soviet Union.  
AMH 4272  Cold War and Film  
3 sh (may not be repeated for credit)  
Period films are used to learn about the Cold War and its effect on the course of events in United States history as well as its influence on aspects of American culture. Classes conducted through a combination of lectures, film screenings, and discussions as well as with individual and group projects.  
AMH 4403  History of the New South  
3 sh (may not be repeated for credit)  
Political, social, and economic developments in the South from the end of the Civil War to the present.  
AMH 4420  History of Florida  
3 sh (may not be repeated for credit)  
Pre-Columbian to present; social, economic, and political development. Offered concurrently with AMH 5424; graduate students will be assigned additional work.
AMH 4427 Florida Panhandle History
3 sh (may not be repeated for credit)
Exposes students to the diverse history of that section of Florida bounded in the west by the Perdido River and in the east by the Apalachicola River - the Florida Panhandle.

AMH 4442 The American West
3 sh (may not be repeated for credit)
History of the American West from the Louisiana Purchase in 1803 to the present.

AMH 4460 Urban History
3 sh (may not be repeated for credit)
United States urban development from the period of colonization through the present. Applies both traditional and public history techniques.

AMH 4551 U. S. Constitutional and Legal History (to 1877)
3 sh (may not be repeated for credit)
A comprehensive examination of the development of the U. S. constitutional and legal system from the colonial period through Reconstruction. Although the history of the U. S. Supreme Court plays an integral role in this course, constitutional and legal history transcends the mere study of great cases and judicial decisions; the preeminent role of the President, Congress, and the legal system during the antebellum period - and the larger political, social, and economic forces surrounding and influencing this development - are given greater weight.

AMH 4552 U. S. Constitutional and Legal History (Since 1877)
3 sh (may not be repeated for credit)
A comprehensive examination of the development of the U. S. constitutional and legal system from Reconstruction to the present day. Although the history of the U. S. Supreme Court plays an integral role in this course, constitutional and legal history transcends the mere study of great cases and judicial decisions; the preeminent role of the President, Congress, and the states in the making and development of the constitutional and legal system during the modern period of U. S. history - and the larger political, social, and economic forces surrounding and influencing the development - are given greater weight.

AMH 4575 Civil Rights
3 sh (may not be repeated for credit)
U.S. civil rights movement from its roots in the nineteenth century to the present.

AMH 4580 History of North American Indians
3 sh (may not be repeated for credit)
Survey of North American Indian history from era of European contact to present. Topics include fur trade, removal, plains warfare, and U.S. government policy. Meets Multicultural requirement.

AMH 4584 Politicians vs. Indians: Three Centuries of American Indian Policy
3 sh (may not be repeated for credit)
Examines the development, implementation, and consequences of the U. S. government's policies concerning Native Americans, beginning with the foundation of American Indian policy during the colonial period and culminating with the resurgence of Native American self-determination during the last decades of the 20th century.

AMH 5424 History of Florida
3 sh (may not be repeated for credit)
Pre-Columbian to present; social, economic, and political development. Offered concurrently with AMH 4420; graduate students will be assigned additional work.

AMH 6116 Colonial America
3 sh (may not be repeated for credit)
Seminar explores the major historiographical trends in Colonial American history (1585-1776). The course is more thematic than comprehensive and stresses breadth rather than depth.

AMH 6169 Seminar: Jacksonian America
3 sh (may not be repeated for credit)
Examines the major issues, events, and figures that defined Jacksonian America, the period from the end of the War of 1812 to the Compromise of 1850. All aspects of the Jacksonian era will be covered--social, cultural, economic, political, constitutional, diplomatic, and military.

AMH 6439 Seminar: The Southern Frontier
3 sh (may not be repeated for credit)
Research seminar focusing on the U.S. Southeastern frontier from 1750-1850.

AMH 6447 Seminar: Spanish Borderlands, 1513-1821
3 sh (may not be repeated for credit)
Broad readings in the history of the Borderlands, defined as those regions between Florida and California, now belonging to the United States, which were once part of the Spanish colonial empire.

AMERICAN LITERATURE Courses
AML 2010 American Literature I
3 sh (may not be repeated for credit)
Survey of major American literature from colonial times to the Civil War. Primarily for English majors and minors.

AML 2020 American Literature II
3 sh (may not be repeated for credit)
Survey of major American literature from the Civil War to the present. Primarily for English majors and minors.

AML 2072 Sex, Money, and Power in American Literature
3 sh (may not be repeated for credit)
From the days of Columbus, who came to the New World seeking fame and gold, to the era of Sex and the City, America has seen its share of sex scandals, political corruption, and war. What this suggests is that there have always been two different “Americas”: the one of our dreams and the one that forever disappoints us. This course explores these two Americas through literary study. (Gordon Rule Course: Wrtg) (General Studies Course: HUM/LIT).

AML 3604 African American Literature
3 sh (may not be repeated for credit)
This is a discussion and collaborative group work course in which literary texts from various genres including slave narratives, dramas, short stories, novels, poetry, and the nonfiction essay will be used to reveal how complicit the factors of race, gender, sexuality, nationality, class, and the “divided self” are in the African-American experience. Attendance and participation in the interactive classroom discussions and in-in-class and out-of-class group work are crucial to a student’s success in the class. (Meets Multicultural requirement).
ANT 2000  Current Cultural Issues  
3 sh (may not be repeated for credit)  
Deals with the problems that confront American culture such as poverty, language, race, gender, and violence. Involves critical, analytical and objective thinking so that our own culture and values can be viewed more objectively and other cultures can be better understood and respected. An important element is to provide an understanding of the role of the individual in the continuation or amelioration of issues that afflict American society. (General Studies Course: SS/SOC).

ANT 2511  Biological Anthropology  
3 sh (may not be repeated for credit)  
Human evolution and variation with emphasis on principles of evolution, primate biology, fossil records, variability in living populations, and the biological foundations of human culture capacities. (General Studies Course: NS/LEC).

ANT 2511L  Biological Anthropology Lab  
1 sh (may not be repeated for credit)  
Lab corresponding with ANT 2511. General Studies Course (NS/LAB).

ANT 3015  Forensics in the Media  
3 sh (may not be repeated for credit)  
Provides students with relevant learning experiences focusing on the standard methods and techniques of forensic science and how it is inaccurately portrayed in popular media. Dispels CSI related myths in popular media, while learning about the multidisciplinary science behind real crime scene investigations. General Studies course (NAT SCI/LEC).

ANT 3101  Principles of Archaeology  
3 sh (may not be repeated for credit)  
Detailed explanation of the principles and methodology of current archaeology in U.S.; includes a brief history and theoretical orientation development of American archaeology.

ANT 3137  Shipwreck Archaeology  
3 sh (may not be repeated for credit)  
Introductory course in Underwater Archaeology with an emphasis on American Maritime History and New World Archaeology as they relate to Pensacola’s maritime heritage. The format centers on assigned readings and classroom meetings with lectures, discussions, educational slides and videos, and workshops. An attempt is made to incorporate field activities on at least one occasion.

ANT 3141  Origins of Civilization  
3 sh (may not be repeated for credit)  
Cultural processes leading toward civilization and theories explaining the emergence of civilization. Comparison of the early civilizations of Mesopotamia, Egypt, India, China, Mesoamerica, and Peru.

ANT 3153  North American Archaeology  
3 sh (may not be repeated for credit)  
Overview of archaeology of North America. Emphasis on patterns of development of regional cultures based on the archaeological record. Open to students in all majors.

ANT 3158  Florida Archaeology  
3 sh (may not be repeated for credit)  
Archaeology of Florida with emphasis on general patterns of development of Florida Indians. Field trips to area archaeological sites.
ANT 3165  South American Archaeology
3 sh (may not be repeated for credit)

The culture area of South America contains a high degree of environmental variability. The societies that developed exhibit considerable variation in form and social structure. Course examines that variation from an archeological and ethohistoric point of view. While focusing specifically on the cultural history of South America, it also discusses broader themes related to the evolution of human societies.

ANT 3212  Peoples and Cultures of the World
3 sh (may not be repeated for credit)

Culture areas of the world and frameworks for cultural comparison. Detailed study of representative peoples around the world gives emphasis to non-Western societies and the reporting tool of ethnography. Meets Multicultural requirement.

ANT 3241  Anthropology of Religion
3 sh (may not be repeated for credit)

Connections of religion with the social organization, behavioral systems, and technology of traditional peoples outside the world of Western monotheism. Emphasis on animistic symbolism, shamanism, traditional metaphors for deities, and prehistoric, historic, or ethnographic accounts of ritual systems.

ANT 3311  Indians of the Southeast: An Anthropological Perspective
3 sh (may not be repeated for credit)

Southeastern Indians is a survey course of the Native American groups in the Southeastern U. S. and their culture. It begins with an overview of prehistory and continues into the early 19th century. Examines such key areas as socio-cultural archaeology, archaeology, biological archaeology, and history.

ANT 3312  North American Indians
3 sh (may not be repeated for credit)

Past and present life styles of the diverse Native American cultures north of Mexico; discussion of the major culture areas with emphasis upon Indians of the Southeastern United States. Meets Multicultural requirement.

ANT 3352  African Cultures
3 sh (may not be repeated for credit)

An introduction to African culture and society. Examination and analysis of the social foundations, beliefs, practices, and institutions that make up the rich and unique cultural values of the African people. The aim is to broaden students' awareness of the beliefs, practices, and institutions that make up the cultural values of the African people. Attention will be given to pre-colonial years with an overview of the post-colonial era.

ANT 3363  Japanese Culture
3 sh (may not be repeated for credit)

Basic introduction to the distinctive cultural heritage of the Japanese people. A brief overview of key historical events, fundamental philosophical tenets and basic religious beliefs form the background for exploring the prevalent customs, lifestyles and business practices in Japan today. Meets Multicultural requirement.

ANT 3403  Cultural Ecology
3 sh (may not be repeated for credit)

Interactions between human cultures and the natural and social environment. Stress is placed on the adaptive aspect of human culture and the maintenance or disruption of the ecosystem. Meets Multicultural requirement.

ANT 3467  Nutritional Anthropology
3 sh (may not be repeated for credit)

Evolution of human diet and subsistence patterns; examination of relationships between food, health, and society in past and present populations, from a biocultural perspective.

ANT 3520  Forensic Anthropology
3 sh (may not be repeated for credit)

Introduces students to the basic principles of forensic anthropology, and to current methods of determining personal identity, manner and cause of death, elapsed time since death, and other relevant information from skeletonized remains.

ANT 3610  Language and Culture
3 sh (may not be repeated for credit)

Introduction to linguistic principles as they relate to the study of culture. Discussion of origins and nature of language. Direct applications of linguistic concepts in anthropological structure analyses and ethnography.

ANT 4034  History of Anthropology
3 sh (may not be repeated for credit)

Development of anthropology with emphasis on the emergence of modern American discipline; detailed treatment of the formation of evolutionary, historical, functional and ecological orientations of the discipline.

ANT 4115  Method and Theory in Archaeology
3 sh (may not be repeated for credit)

Prerequisite: ANT 3101

History and evolution of archaeological methods and theory in the United States. Major schools of thought and currently developing ideas are compared and contrasted: sampling theory, site formation, geosciences. Permission is required.

ANT 4121  Combined Archaeological Field Methods
1-9 sh (may be repeated for up to 9.0 sh of credit)

Prerequisite: ANT 3101

Onsite training in maritime and terrestrial archaeology (6 weeks each). Structured hands on experience including training in both field and laboratory methods. Emphasized methods include site control grids, setting up excavation units, basic excavation techniques, use of hand tools, identification of ship structure and features, screening techniques, field documentation, principles and procedures. A diving certificate from a nationally recognized program and permission is required. Material and Supply Fee will be assessed.

ANT 4155  Anthropological Archaeology
3 sh (may not be repeated for credit)

Prehistory of the Southeastern United States including chronology, ways of life and the evolution of cultural adaptations for the past 15,000 years. Field trips to archaeological sites and museums will be conducted.
ANT 4172  Historical Archaeology
3 sh (may not be repeated for credit)
Prerequisite: ANT 3101

Principles and methodology of historical archaeology; includes history of this specialty and theoretical development. Course is detailed and is required for Historical Archaeology graduate students prior to taking ANG 5172. Field trips to local historical archaeology sites and museums and permission is required.

ANT 4180L  Laboratory Methods in Archaeology
3 sh (may not be repeated for credit)
Prerequisite: ANT 2000 and ANT 4824 or ANT 3101

Introduction to the basic methods of processing, classifying, coding and analysis or archaeological material. Hands-on laboratory methods are taught utilizing collections from recent field school and project excavations. These materials may include European, Mexican, and Native American ceramics, glass, metal, lithics, masonry, plants, and faunal remains.

ANT 4182C  Conservation of Archaeological Materials
4 sh (may not be repeated for credit)
Prerequisite: ANT 3101

Techniques of stabilizing and preserving deteriorated or corroded artifacts from archaeological sites. Hands on conservation techniques are taught in seminar/laboratory using chemicals and treatment procedures.

ANT 4190  Historic Preservation in Archaeology
3 sh (may not be repeated for credit)
Prerequisite: ANT 3101

Includes a detailed review of basic historic preservation laws and regulations, the historic preservation system, and the articulation of archaeological resources in that system. Topics include historic preservation law, historic preservation system, archaeological resource management, and the contributions to the discipline of anthropology. Permission is required.

ANT 4191C  Archaeological Data Analysis
3 sh (may not be repeated for credit)

Focuses on the methods and techniques of analysis of archaeological data which is an essential step in the interpreting of data. The analytical techniques of archaeological data include construction and use of spreadsheets, digital image development and manipulation, map making, data base construction, management, and querying. Geographic Information Systems (GIS) and computer assisted drawing (CAD) will also be introduced. Windows applications for the personal computer are used to perform these analyses.

ANT 4247  Anthropology of the Bible
3 sh (may not be repeated for credit)

Social and cultural interpretation of the scriptures pertinent to Hebrew/ Aramaic and Eastern Mediterranean cultures from the 2nd century BCE through the 4th century CE. Students will read the assigned texts from the Torah, the Hebrew Bible generally, the Dead Sea Scrolls, the Christian canon, and the scriptures of the Naj Hammadi library. Offered concurrently with ANG 5247; graduate students will be assigned additional work.

ANT 4302  Sex Roles in Anthropological Perspective
3 sh (may not be repeated for credit)

Female and male behavioral, social and biological similarities and differences viewed from a biological-cultural perspective. Emphases upon evolution and cross-cultural comparison.
ANT 4525  Human Osteology
4 sh (may not be repeated for credit)
Prerequisite: ANT 2511
Co-requisite: ANT 4525L
Detailed examination of human skeletal and dental anatomy, structure, and function. Techniques of osteological analysis, including determination of age, sex, stature, ancestry, and pathology. Offered concurrently with ANG 5520; graduate students will be assigned additional work.

ANT 4525L  Human Osteology Lab
0 sh (may not be repeated for credit)
Co-requisite: ANT 4525
Corresponding lab for Human Osteology.

ANT 4532  Disease and Culture
3 sh (may not be repeated for credit)
Through lecture and discussion of readings we will explore the relationships between disease and culture. Main topics will include the basics of disease epidemiology in humans, human bio-cultural adaptations to disease, and the effects and influences of disease on human culture and society. Offered concurrently with ANG 5408; graduate students will be assigned additional work.

ANT 4535  Race in Biological Anthropology
3 sh (may not be repeated for credit)
Prerequisite: ANT 2511 and ANT 2511L
Examination of the biological basis of human diversity, the mechanisms of human population variation, and racial studies in historical and social context.

ANT 4550  Primatology
3 sh (may not be repeated for credit)
Prerequisite: ANT 2511, ANT 2511L
Overview of the taxonomy, evolutionary history, ecology, and behavior of non-human primates, and the theoretical basis and methodology of primates studies. Offered concurrently with ANG 5550; graduate students will be assigned additional work.

ANT 4556  Human Origins
3 sh (may not be repeated for credit)
Prerequisite: ANT 2511 and ANT 2511L
Overview of the fossil evidence for human evolution, and hominin behavioral reconstruction using ethnographic and primate models. Offered concurrently with ANG 5514; graduate students will be assigned additional work.

ANT 4651  Aesthetics & Critical Theory
3 sh (may not be repeated for credit)
Experiential and anthropological/semantic examination of the topic of aesthetics as a central foundation of human culture. Students encounter working artists and scholars, engage Western and non-Western systems of aesthetic value, develop tools for several kinds of postmodern cultural criticism, and explore personal constructions of aesthetics and cultural studies. Permission is required.

ANT 4808  Applied Anthropology
3 sh (may not be repeated for credit)
Methods and techniques of applied anthropology, including ethical issues and approaches to planned culture change—social intervention, policy formation, small scale systems analysis. Practical activities in the local community will be included in the course.

ANT 4824  Terrestrial Archaeological Field Methods
1-9 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ANT 3101
Onsite training in terrestrial field methods includes use of hand tools, surveying equipment, and some power equipment. Emphasized in the field are excavation techniques in a variety of situations, field scale drawings, and documentation. Field lab methods are often included. Permission is required. Material and Supply Fee will be assessed.

ANT 4835  Maritime Archaeological Field Methods
1-9 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ANT 3101
Onsite training in maritime archaeology. Structured hands on experience including training in both field and laboratory methods. Emphasized methods include site control grids, setting up excavation units, basic excavation techniques, use of hand tools, identification of ship structure and features, screening techniques, field documentation, principles and use of field instruments, and field conservation procedures. A diving certificate from a nationally recognized program and permission is required. Credit may not be earned in both ANT 4135 and ANT 4835. Material and Supply Fee will be assessed.

ANT 4853C  Geographic Information Systems in Archaeology
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
Application of Windows-based Geographical Information Systems technology in anthropology, archaeology and cultural resource management.

ANT 4944  Anthropology Internship
1-3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ANT 4190 and ANT 4824
Placement in community agency or other social or organizational setting. Supervision by faculty and agency. Student participates in full range of services available in the setting. An internship paper is required. A maximum of 6 sh may be applied to the major requirements. Permission is required.

ANTHROPOLOGY: GRADUATE Courses

ANG 5137  Nautical Archaeology Seminar
3 sh (may not be repeated for credit)
Method and theory of nautical archaeology, development as a discipline, ethical considerations, evolution of ship construction and public laws and education.

ANG 5154  Spanish Florida in Anthropological Perspective
3 sh (may not be repeated for credit)
A comprehensive anthropological exploration of the origins and evolution of Spanish Florida as a colonial society between 1513 and 1763. Draws upon the results of historical, ethnohistorical, archaeological (terrestrial and maritime), bioanthropological, and other research disciplines to present the Florida colony as a geographically-extensive multi-ethnic society within the context of the global Spanish empire.

ANG 5157  Pre-Columbian Archaeology Seminar
3 sh (may not be repeated for credit)
Examination of the classic and current literature on key topics in North American pre-Columbian archaeology including peopling of the New World, Archaic adaptations, Woodland stage developments, and the Mississippian world.
ANG 5172  Historical Archaeology Seminar
3 sh (may not be repeated for credit)
Emphasizes the goals, methods and theoretical base of historical archaeology. Particular emphasis is placed on theoretical development, acculturation, ethnicity, archaeological methods and documentary research. The class is an organized seminar with readings and discussions of specific topics.

ANG 5173  Historical Research Methods in Archaeology
3 sh (may not be repeated for credit)
A practical introduction to the use of historical documents in archeological research, both as primary sources of data for understanding the past, and as a complement to archaeological and other types of data. Examples and case-studies will center on the history of Florida during Spanish, British, and early American periods.

ANG 5181  Geographic Information Systems in Archaeology
3 sh (may not be repeated for credit)
A methods course in the use of Windows based Geographic Information Systems (GIS) technology that teaches the basic skills necessary to use GIS for research in anthropology, archaeology and cultural resource management. GIS philosophy and concepts, database design and use, computer assisted cartography and anthropological research using ArcGIS will be covered.

ANG 5247  Anthropology of the Bible
3 sh (may not be repeated for credit)
A seminar on the social and cultural interpretations of the scriptures pertinent to Hebrew/Aramaic and Eastern Mediterranean cultures from the 2nd century BCE through 4th century CE. Materials brought under scrutiny include the Torah, Hebrew Bible generally, Dead Sea scrolls, Christian canon, and the scriptures of the Naj Hammadi library. Much of the interpretation concerns alternative views of the political and social groups underlying these texts. Graduate students are required to conduct primary scriptural analysis informed by modern critical approaches. Offered concurrently with ANT 4247; graduate students will be assigned additional work.

ANG 5307  Cultures of Latin America
3 sh (may not be repeated for credit)
Students will explore the themes and features of Latin American culture in general, including subsistence patterns and socioeconomic organization, family organization and gender, race and ethnicity, religion, and ideological constructions. Students will also learn about the regional cultural diversity in different Latin American areas. Offered concurrently with ANT 4332; graduate students will be assigned additional work.

ANG 5321  Cultures of Mexico
3 sh (may not be repeated for credit)
Students will explore the key themes and elements of Mexican culture, including the development of a distinct Mexican national culture from Old World and New World roots, as well as the regional diversity of Mexican culture today. As students examine the composition and diversity of Mexican national and regional cultures, they will also encounter topics of race and ethnicity, socioeconomic class, gender, economic development, politics and social organization as they relate to Mexican culture and Mexico’s place in the world. Offered concurrently with ANT 4321; graduate students will be assigned additional work.

ANG 5322  Mesoamerican Cultural Traditions
3 sh (may not be repeated for credit)
Students will explore important themes of Mesoamerican cultural tradition. Includes examination of both ancient and contemporary Native American culture in Mexico and Guatemala. Students will learn about continuities between ancient and contemporary Mesoamerican culture, including the ways in which indigenous cultural traditions are maintained in the face of persistent acculturative pressure, as well as about ways in which Native American cultural traditions in the region in other ways have been shaped and modified by the 500 year history since the Spanish Conquest. Offered concurrently with ANT 4322; graduate students will be assigned additional work.

ANG 5408  Disease and Culture
3 sh (may not be repeated for credit)
Through lecture and discussion of readings we will explore the relationships between disease and culture. Main topics will include the basics of disease epidemiology in humans, human bio-cultural adaptations to disease, and the effects and influences of disease on human culture and society. Offered concurrently with ANT 4532; graduate students will be assigned additional work.

ANG 5451  Race, Ethnicity, and Culture
3 sh (may not be repeated for credit)
Explores race and ethnicity and their relationship to culture in a cross-cultural, anthropological perspective. Will consider cultural constructions of race and ethnicity in the United States, in other areas of the Americas, and other areas of the world. Offered concurrently with ANT 4451; graduate students will be assigned additional work.

ANG 5514  Human Origins
3 sh (may not be repeated for credit)
Prerequisite: ANT 2511 and ANT 2511L
Overview of the fossil evidence for human evolution, and hominin behavioral reconstruction using ethnographic and primate models. Offered concurrently with ANT 4586; graduate students will be assigned additional work.

ANG 5516  Modern Human Physical Variation
3 sh (may not be repeated for credit)
Prerequisite: ANT 2511/L or equivalent
Evolutionary perspective on function and adaptive nature of biological variation in modern human. Offered currently with ANT 4516; graduate students will be assigned additional work.

ANG 5520  Human Osteology
4 sh (may not be repeated for credit)
Prerequisite: ANT 2511
Co-requisite: ANG 5520L
Detailed examination of human skeletal and dental anatomy, structure, and function. Techniques of osteological analysis, including determination of age, sex, stature, ancestry, and pathology. Offered concurrently with ANT 4525; graduate students will be assigned additional work.

ANG 5520L  Human Osteology Lab
3 sh (may not be repeated for credit)
Co-requisite: ANG5520
Corresponding lab for Human Osteology.
ANG 5550  Primatology  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 2511  
Overview of the taxonomy, evolutionary history, ecology, and behavior of non-human primates, and the theoretical basis and methodology of primate studies. Offered concurrently with ANT 4550; graduate students will be assigned additional work.

ANG 6002  Proseminar in Anthropology  
3 sh (may be repeated for up to 6.0 sh of credit)  
Examines selected subjects in anthropology using the perspectives of all three sub-disciplines; cultural anthropology, biological anthropology, and archaeology. The seminar’s goals are to introduce students to the subject, provide in-depth understanding of current issues, and examine the variety of theoretical and methodological approaches used by anthropologists. Contact department for specific topic each semester offered. No more than 6 semester hours credit may be received ANG 6002.

ANG 6084  Contemporary Anthropological Theory  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 4034  
A seminar engaging readings from the works of key American and European anthropologists since the 1960s. Considers the debates between traditionalism and postmodern schools of anthropology, together with the essential problems for ethnology created by technology, complex society, gender issues, ethnicity, and applications of anthropological research.

ANG 6093  Research Design in Anthropology  
3 sh (may not be repeated for credit)  
The fundamental issues of research design and implementation and the objectives and strategies of contemporary anthropological research. Scientific procedures and methods in the development of research programs that are logically structured and fundable. Alternative forms of deriving knowledge relating to important issues in epistemology and the philosophy of science will also be discussed.

ANG 6110  Advanced Method and Theory in Archaeology Seminar  
3 sh (may be repeated for up to 0.0 sh of credit)  
Includes an overview of the history and development of American archaeology with an emphasis on methodological and theoretical topics. Class is an organized seminar with readings and discussions of specific topics.

ANG 6183L  Advanced Laboratory Methods in Archaeology  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 4180L  
Advanced training in the operation of an archaeological laboratory. Activities include laboratory organization and management as well as planning laboratory activities to meet deadlines, assignment of tasks, training, and supervising beginning students. Graduate students will instruct undergraduate students in artifact identification and documentation.

ANG 6192  Historic Preservation Law Seminar  
3 sh (may not be repeated for credit)  
Examination of pertinent laws and practices in all fields of historic preservation including archaeology, history, and architectural history.

ANG 6196  Policies, Practices and Archaeology in Historic Preservation  
3 sh (may not be repeated for credit)  
Legislation and regulations concerning cultural resources and the historic preservation system. Also covers compliance archaeology, contract archaeology, ethics, collecting, looting and the role of Native Americans and ethnic groups.

ANG 6286  Contemporary Cultural Anthropological Theory  
3 sh (may not be repeated for credit)  
Through readings and seminar discussion, students will explore key themes and thinkers of the past few decades which have contributed to the production of contemporary culture theory in anthropology. Important topics will include structuralism, cultural materialism, feminism and anthropology, post-modernism, world systems theory, post-colonialism, and symbolic anthropology. Key theorists will include Claude Levi-Strauss, Marvin Harris, Mary Douglas, Clifford Geertz, Sherry Ortner, Gayle Rubin, Pierre Bourdieu, Arjun Appadurai, and James Clifford.

ANG 6583  Evolutionary Theory in Biological Anthropology  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 2511  
Overview of seminal literature and key concepts in evolutionary theory, with particular emphasis on contemporary issues in human bio-cultural evolution.

ANG 6824  Advanced Archaeological Field Methods  
3-6 sh (may be repeated for up to 6.0 sh of credit)  
Prerequisite: ANT 4121 or ANT 4824 or ANT 4835. Only ANT 4835 and ANT 4121 can be used as prereqs for the maritime version of ANG 6824, while ANT 4824 or ANT 4121 can be used as prereqs for terrestrial version of ANG 6824  
Advanced training in field methods including survey, testing, and site excavation. Also includes training in project planning, budgeting, supervision, and integration of information recovered from the field. Material and Supply Fee will be assessed. Permission is required.

ANG 6971  Anthropology Thesis  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Preparation of master’s thesis which includes problem identification, review of literature, design, data collection, analysis, and results. Permission of Thesis Committee required. Graded on satisfactory/unsatisfactory basis only.

**APPLIED KINESIOLOGY Courses**

APK 2202  Advanced Sport Performance  
3 sh (may not be repeated for credit)  
Introduction and application of training modalities for improving physical athletic performance.

APK 3110  Exercise Physiology  
3 sh (may not be repeated for credit)  
Prerequisite: BSC 1085  
Application of physiological principles to study of man and human performance related to health, sports and leisure activities.
APK 3110L Exercise Physiology Laboratory  
1 sh (may not be repeated for credit)  
Co-requisite: APK 3110  
Student shall become familiar with instruments and test procedures used to gather data on the physiology of exercise. Material and Supply fee will be assessed.

APK 4113 Senior Seminar in Athletic Training  
3 sh (may not be repeated for credit)  
Prerequisite: APK 4305, PET 4610, PET 4623, PET 4632  
The purpose is to provide students with knowledge of the professional responsibilities and opportunities of a certified athletic trainer. Will provide students with hands on experience with a mock NATA written simulation and oral certification exam. Will also provide feedback to students regarding interviewing skills, writing resumes and research papers. Permission is required.

APK 4305 Evaluation Techniques of Athletic Injuries I  
3 sh (may not be repeated for credit)  
Prerequisite: PET 2622  
A specialized course dealing with anatomy, signs and symptoms, and specific orthopedic tests used when assessing athletic injuries and conditions of the lower extremity and pelvic region, as well as lower extremity gait analysis.

APK 4312 Pharmacology Application in Athletic Training  
2 sh (may not be repeated for credit)  
Prerequisite: PET 3660  
Provides information on the use, interaction, side effects of pharmaceuticals used in the treatment of athletes. Provides medical terminology used in the description of medical conditions associated with athletic injury diagnosis and classification.

APK 6111C Advanced Exercise Physiology  
3 sh (may not be repeated for credit)  
Prerequisite: APK 3110  
Research and problems in exercise physiology; advanced study of reactions of human body under stress and during exercise. Material and supply fee will be assessed.

**APPLIED MUSIC: BRASSES Courses**

MVB 1311 Applied Music Trumpet  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in trumpet. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 1312 Applied Music Horn  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in horn. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 1313 Applied Music Trombone  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in trombone. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 1314 Applied Music Euphonium  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in euphonium. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 1315 Applied Music Tuba  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in tuba. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2321 Applied Music Trumpet  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in trumpet. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2322 Applied Music Horn  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in horn. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2323 Applied Music Trombone  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in trombone. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2324 Applied Music Euphonium  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in euphonium. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2325 Applied Music Tuba  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in tuba. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2326 Applied Music French Horn  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in French horn. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 2421 Performance: Brass  
2 sh (may be repeated for up to 6.0 sh of credit)  
Individual instruction in applied music in brasses. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 3331 Applied Music Trumpet  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in trumpet. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.
MVB 3332  Applied Music Horn
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in horn. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 3333  Applied Music Trombone
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in trombone. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 3334  Applied Music Euphonium
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in euphonium. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 3335  Applied Music Tuba
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in tuba. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 3336  Junior Recital - Brass
1 sh (may not be repeated for credit)
Prior to graduation all students seeking a performance specialization in brass must present at least one-half of a public recital. Permission to give recital is secured from the student's applied teacher at least eight weeks prior to scheduled recital date. Two semesters of 3000 level applied lessons (junior level) and permission is required. Performance majors only.

MVB 3337  Applied Music Trumpet
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in trumpet. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 4341  Applied Music Horn
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in horn. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 4342  Applied Music Organ
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in organ. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 4343  Applied Music Trombone
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in trombone. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 4344  Applied Music Euphonium
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in euphonium. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 4345  Applied Music Tuba
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in tuba. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVB 4971  Senior Recital - Brass
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prior to graduation all students seeking a music degree must present a complete public recital. Permission to give a recital is secured from students' applied teacher at least eight weeks prior to scheduled recital date. Performance majors will be required to register for 3 credit hours and Education majors will be required to register for 1 credit hour. Two semesters of 4000 level applied music (senior level) and permission is required.

APPLIED MUSIC: KEYBOARD Courses

MVK 1111  Class Piano I
1 sh (may be repeated for up to 8.0 sh of credit)
To equip the music major with functional piano skills which correlate with those skills accomplished in Music Theory. Prepares student for piano proficiency exam.

MVK 1112  Class Piano II
1 sh (may be repeated for up to 8.0 sh of credit)
Prerequisite: MVK 1111
To equip the music major with functional piano skills which correlate with those skills accomplished in Music Theory. Prepares student for piano proficiency exam. Placement/audition may substitute for prerequisite.

MVK 1115  Keyboard Skills
1 sh (may not be repeated for credit)
To equip the music major with functional piano skills which correlate with those skills accomplished in Music Theory. Prepares student for piano proficiency exam.

MVK 1311  Applied Music Piano
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in piano. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVK 1312  Applied Music Organ
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in organ. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVK 1412  Applied Music Harpsichord
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied harpsichord. Primarily for music majors of the freshman level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVK 2121  Class Piano III
1 sh (may not be repeated for credit)
Prerequisite: MVK 1112
To equip the music major with functional piano skills which correlate with those skills accomplished in Music Theory. Prepares students for piano proficiency exam. Placement/audition may substitute for prerequisite.
MVK 2122  Class Piano IV
1 sh (may not be repeated for credit)
Prerequisite: MVK 2121
To equip the music major with functional piano skills which correlate
with those skills accomplished in Music Theory. Prepares student
for piano proficiency exam. Placement/audition may substitute for
prerequisite.

MVK 2223  Applied Music Organ
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music organ. Primarily for majors of
sophomore level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 2321  Performance: Keyboards
2-3 sh (may be repeated for up to 6.0 sh of credit)
Individual instruction in applied music in keyboards. Primarily for music
majors of freshman-level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 2421  Applied Music Piano
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music piano. Primarily for majors of
sophomore level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 2422  Applied Music Harpsichord
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied harpsichord. Primarily for music majors
of the sophomore level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 3331  Performance: Keyboards
3 sh (may be repeated for up to 6.0 sh of credit)
Individual instruction in applied music in keyboards. Primarily for music majors of
junior-level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 3333  Applied Music Organ
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in organ. Primarily for music majors
of junior-level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 3431  Applied Music Piano
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music piano. Primarily for majors of
junior level standing. Open to others for credit if a music course or
ensemble is taken concurrently and faculty schedules permit.

MVK 3432  Applied Music Harpsichord
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied harpsichord. Primarily for music majors of
the junior level standing. Open to others for credit if a music course or
ensemble is taken concurrently and faculty schedules permit.

MVK 3702  Accompanying Coaching Class
2 sh (may not be repeated for credit)
Prerequisite: MVK 1311 and MVK 2421

MVK 3970  Junior Recital - Keyboards
1 sh (may not be repeated for credit)
Prior to graduation all students seeking a performance specialization
music degree must present at least one-half of a public recital.
Permission to give recital is secured from the student’s applied teacher
at least eight weeks prior to scheduled recital date. Two semesters of
3000 level applied lessons (junior level) and permission is required.
Performance majors only.

MVK 4341  Performance: Keyboards
3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in keyboards. Primarily for music
majors of senior-level standing. Open to others for credit if a music course
or ensemble is taken concurrently and faculty schedules permit.

MVK 4441  Applied Music Piano
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music piano. Primarily for majors of
senior level standing. Open to others for credit if a music course or
ensemble is taken concurrently and faculty schedules permit.

MVK 4442  Applied Music Harpsichord
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied harpsichord. Primarily for music majors
of the senior level standing. Open to others for credit if a music course or
ensemble is taken concurrently and faculty schedules permit.

MVK 4641  Piano Pedagogy
2-3 sh (may be repeated for up to 9.0 sh of credit)
Comparison of various published piano methods; application of these
methods and other techniques of teaching beginning student to most
advanced level. Required of all piano majors.

MVK 4704  Accompanying: Instrumental Literature
2 sh (may not be repeated for credit)
Prerequisite: MVK 1311 and MVK 2421
Designed to equip pianists specializing in accompanying with a
functional and practical knowledge of literature for instruments
involving a piano accompaniment. Survey of literature for woodwinds,
brass, strings, percussion, chamber music, and two pianos with
emphasis on performance techniques. Two years of applied piano and
permission is required.

MVK 4705  Accompanying Vocal Literature
2 sh (may not be repeated for credit)
Prerequisite: MVK 1311 and MVK 2421
Designed to equip pianists specializing in accompanying with a
functional and practical knowledge of literature for voice involving
a piano accompaniment. Survey of literature, both chamber and
orchestral, for soprano, mezzo soprano, alto, tenor, baritone, and bass
voice types with emphasis on performance techniques. Two years of
applied piano and permission is required.
MVK 4932  Piano Interpretation  
2 sh (may not be repeated for credit)  
Study and comparison of interpretations of piano music by means of written treatises, recorded examples and demonstration. Required of all piano majors. Junior level standing and permission is required.

MVK 4942  Accompanying Internship I  
2 sh (may not be repeated for credit)  
Prerequisite: MVK 1311 and MVP 2421  
An internship with the music department. The students will serve as the departmental accompanist. The students will accompany during applied lessons of varying instruments and voices and will accompany recitals. Two years of applied piano and permission is required.

MVK 4943  Accompanying Internship II  
2 sh (may not be repeated for credit)  
Prerequisite: MVK 4942  
An internship with the music department. The students will serve as the departmental accompanist. The students will accompany during applied lessons of varying instruments and voices and will accompany recitals. Permission is required.

MVK 4971  Senior Recital - Keyboards  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Prior to graduation all students seeking a music degree must present a complete public recital. Permission to give a recital is secured from students’ applied teacher at least eight weeks prior to scheduled recital date. Performance majors will be required to register for 3 credit hours and Education majors will be required to register for 1 credit hour. Two semesters of 4000 level applied music (senior level) and permission is required.

MVK 5451  Applied Piano  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Prerequisite: MVK 4441  
Individual instruction in applied music in piano. Primarily for music majors of Graduate level standing. Permission is required.

MVP 3331  Applied Music Percussion  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in percussion. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVP 3970  Junior Recital - Percussion  
1 sh (may not be repeated for credit)  
Prior to graduation all students seeking a performance specialization music degree must present at least one-half of a public recital. Permission to give recital is secured from the student’s applied teacher at least eight weeks prior to scheduled recital date. Two semesters of 3000 level applied lessons (junior level) and permission is required. Performance majors only.

MVP 4341  Applied Music Percussion  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in percussion. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVP 4971  Senior Recital - Percussion  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Prior to graduation all students seeking a music degree must present a complete public recital. Permission to give a recital is secured from students’ applied teacher at least eight weeks prior to scheduled recital date. Performance majors will be required to register for 3 credit hours and Education majors will be required to register for 1 credit hour. Two semesters of 4000 level applied music (senior level) and permission is required.

**APPLIED MUSIC: STRINGS Courses**

MVS 1311  Applied Music Violin  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in violin. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVS 1312  Applied Music Viola  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in viola. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVS 1313  Applied Music Cello  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in cello. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVS 1314  Applied Music Bass  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in bass. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVS 1316  Applied Music Guitar  
2-3 sh (may be repeated for up to 9.0 sh of credit)  
Individual instruction in applied music in guitar. Primarily for music majors of freshman-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.
MVS 1811 Violin Class
1 sh (may not be repeated for credit)
Small group instruction in violin. Students will be given instruction on
the violin in a small group setting. May not be taken for credit by Music
majors. Permission is required.

MVS 2321 Applied Music Violin
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in violin. Primarily for music
majors of sophomore-level standing. Open to others for credit if a
music course or ensemble is taken concurrently and faculty schedules
permit.

MVS 2322 Applied Music Viola
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in viola. Primarily for music
majors of sophomore-level standing. Open to others for credit if a
music course or ensemble is taken concurrently and faculty schedules
permit.

MVS 2323 Applied Music Cello
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in cello. Primarily for music
majors of sophomore-level standing. Open to others for credit if a
music course or ensemble is taken concurrently and faculty schedules
permit.

MVS 2324 Applied Music Bass
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in bass. Primarily for music
majors of sophomore-level standing. Open to others for credit if a
music course or ensemble is taken concurrently and faculty schedules
permit.

MVS 3331 Applied Music Violin
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in violin. Primarily for music
majors of junior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 3332 Applied Music Viola
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in viola. Primarily for music
majors of junior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 3333 Applied Music Cello
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in cello. Primarily for music
majors of junior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 3334 Applied Music Bass
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in bass. Primarily for music
majors of junior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 3336 Applied Music Guitar
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in guitar. Primarily for music
majors of junior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 3970 Junior Recital - Strings
1 sh (may not be repeated for credit)
Prior to graduation all students seeking a performance specialization
music degree must present at least one-half of a public recital.
Permission to give recital is secured from the student’s applied teacher
at least eight weeks prior to scheduled recital date. Two semesters of
3000 level applied lessons (junior level) and permission is required.
Performance majors only.

MVS 4341 Applied Music Violin
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in violin. Primarily for music
majors of senior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 4342 Applied Music Viola
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in viola. Primarily for music
majors of senior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 4343 Applied Music Cello
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in cello. Primarily for music
majors of senior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 4344 Applied Music Bass
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in bass. Primarily for music
majors of senior-level standing. Open to others for credit if a music
course or ensemble is taken concurrently and faculty schedules permit.

MVS 4971 Senior Recital - Strings
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prior to graduation all students seeking a music degree must present
a complete public recital. Permission to give a recital is secured from
students’ applied teacher at least eight weeks prior to scheduled recital
date. Performance majors will be required to register for 3 credit hours
and Education majors will be required to register for 1 credit hour. Two
semesters of 4000 level applied music (senior level) and permission
required.
MVS 5451   Applied Viola
3 sh (may not be repeated for credit)
Individual instruction on the viola on the graduate level. Lesson times 
to be determined in consultation with the instructor.

APPLIED MUSIC: VOICE Courses
MVV 1311   Applied Music Voice
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in voice. Primarily for music 
majors of freshman-level standing. Open to others for credit if a music 
course or ensemble is taken concurrently and faculty schedules permit.

MVV 2321   Performance: Voice
2 sh (may be repeated for up to 6.0 sh of credit)
Individual instruction in applied music vocal. Primarily for majors of 
sophomore level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVV 3331   Performance: Voice
3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in voice. Primarily for music 
majors of junior-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 1311   Applied Music Flute
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in flute. Primarily for music 
majors of freshman-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 1312   Applied Music Oboe
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in oboe. Primarily for music 
majors of freshman-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 1313   Applied Music Clarinet
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in clarinet. Primarily for music 
majors of freshman-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 1315   Applied Music Saxophone
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in saxophone. Primarily for 
music majors of freshman-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 2321   Applied Music Flute
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in flute. Primarily for music 
majors of sophomore-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 2322   Applied Music Oboe
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in oboe. Primarily for music 
majors of sophomore-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVW 2323   Applied Music Clarinet
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in clarinet. Primarily for music 
majors of sophomore-level standing. Open to others for credit if a music course 
or ensemble is taken concurrently and faculty schedules permit.

MVV 3331   Performance: Voice
3 sh (may be repeated for up to 9.0 sh of credit)
Prior to graduation all students seeking a music degree must present 
a complete public recital. Permission to give a recital is secured from 
students’ applied teacher at least eight weeks prior to scheduled recital 
date. Performance majors will be required to register for 3 credit hours 
and Education majors will be required to register for 1 credit hour. Two 
semesters of 4000 level applied music (senior level) and permission is 
required.

APPLIED MUSIC: WOODWINDS Courses
MVV 4971   Senior Recital - Voice
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prior to graduation all students seeking a music degree must present 
a complete public recital. Permission to give a recital is secured from 
students’ applied teacher at least eight weeks prior to scheduled recital 
date. Performance majors will be required to register for 3 credit hours 
and Education majors will be required to register for 1 credit hour. Two 
semesters of 4000 level applied music (senior level) and permission is 
required.
MVW 2324  Applied Music Bassoon
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in bassoon. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 2325  Applied Music Saxophone
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in saxophone. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 2421  Performance: Woodwinds
2 sh (may be repeated for up to 6.0 sh of credit)
Individual instruction in applied music in woodwinds. Primarily for music majors of sophomore-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 3331  Applied Music Flute
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in flute. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 3332  Applied Music Oboe
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in oboe. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 3333  Applied Music Clarinet
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in clarinet. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 3334  Applied Music Bassoon
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in bassoon. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 3335  Applied Music Saxophone
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in saxophone. Primarily for music majors of junior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 3970  Junior Recital - Woodwinds
1 sh (may not be repeated for credit)
Prior to graduation all students seeking a performance specialization music degree must present a complete public recital. Permission to give recital is secured from the student's applied teacher at least eight weeks prior to scheduled recital date. Two semesters of 3000 level applied lessons (junior level) and permission is required. Performance majors only.

MVW 4341  Applied Music Flute
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in flute. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 4342  Applied Music Oboe
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in oboe. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 4343  Applied Music Clarinet
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in clarinet. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 4344  Applied Music Bassoon
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in bassoon. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 4345  Applied Music Saxophone
2-3 sh (may be repeated for up to 9.0 sh of credit)
Individual instruction in applied music in saxophone. Primarily for music majors of senior-level standing. Open to others for credit if a music course or ensemble is taken concurrently and faculty schedules permit.

MVW 4971  Senior Recital - Woodwinds
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prior to graduation all students seeking a music degree must present a complete public recital. Permission to give a recital is secured from students' applied teacher at least eight weeks prior to a scheduled recital date. Performance majors will be required to register for 3 credit hours and Education majors will be required to register for 1 credit hour. Two semesters of 4000 level applied music (senior level) and permission is required.

ARABIC LANGUAGE Courses

ARA 1120C  Beginning Arabic and Language Culture I
4 sh (may not be repeated for credit)
Designed for students with no experience in the Arabic language to develop knowledge through listening, speaking, reading, and writing Modern Standard Arabic. Focuses primarily on cultural understanding of the Arab world, and basic Arabic language pronunciation, comprehension, communication, and grammar. In addition to the scheduled activities, students are required to complete weekly laboratory assignments.

ARA 1121C  Beginning Arabic and Language Culture II
4 sh (may not be repeated for credit)
Prerequisite: ARA 1120C
Continuation of ARA 1120C emphasizing listening and speaking skills with continued practice in reading and writing. Basic grammatical structures will be reviewed and new grammar introduced. The cultural component consists of in-depth considerations of issues in the Arabic world.
ARA 2200C  Intermediate Arabic Language and Culture I
4 sh (may not be repeated for credit)
Prerequisite: ARA 1121C
Continuation of ARA 1121C with increased complexity of grammatical constructions, greater emphasis on reading and writing and increased use of authentic materials. Some of the cultural information will be given in Arabic.

ART Courses

ART 1015C  Exploring Artistic Vision
3 sh (may not be repeated for credit)
Challenges the student to explore alternative modes of perception and interpretation, through lectures, discussion, and hands-on application. Material and Supply fee will be assessed. (General Studies Course: HUM/FA).

ART 1300C  Drawing I - Fundamentals
3 sh (may not be repeated for credit)
Students will study several media and how to use them. Instruction in drawing still life, landscapes and other objects/subjects provided. Students develop perception of proportions along with black/white media compositional concepts. Invites all students. Material and supply fee will be assessed.

ART 1301C  Drawing II - Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C
Continuation and further development of the studies in ART 1300C. Material and supply fee will be assessed.

ART 2201C  Two-Dimensional Design
3 sh (may not be repeated for credit)
Introduction to the concepts by which shape, value and color control space; ideas fundamental to the visual arts. Invites all students. Material and supply fee will be assessed.

ART 2203C  Three-Dimensional Design
3 sh (may not be repeated for credit)
Designed to provide the beginning art major with a firm grounding in the technical strategies needed to create forms in space. Material and Supply Fee will be assessed.

ART 2400C  General Printmaking
3 sh (may not be repeated for credit)
Introduction to various printmaking techniques possibly including block printing, calligraphy, monotype, etching and engraving. Content varies according to instructor. Prerequisite for all other printmaking courses. Invites all students. Material and Supply Fee will be assessed.

ART 2484C  Principles of Graphic Art
3 sh (may not be repeated for credit)
Prerequisite: ART 2600C
An overview of the formal elements of design, contextualized within a frame work that stresses experimentation, creativity, innovation, and expression. Products using Photoshop, Illustrator and InDesign are oriented toward commercial applications in print based media. Material and Supply Fee will be assessed.

ART 2500C  Painting I - Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C and ART 2201C
Students will study paint, color, the tools to use and how to use them. The student is instructed to paint using still life, landscapes, possibly figures, and other objects/subjects. Some materials supplied.Primarily an introductory painting course for art majors. Material and supply fee will be assessed.

ART 2600C  Introduction to Digital Studio Practice
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C, ART 2201C
A prerequisite for all courses in the Digital Practice Studio. Students gain a working knowledge of Apple Macintosh OS, are introduced to the basics of Adobe Photoshop and exposed to the myriad of programs and equipment available in the Department of Art Mac Lab. Material and Supply Fee will be assessed.

ART 2701C  Fundamentals of Sculpture
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C, ART 1301C, ART 2201C, ART 2203C.
Course explores a wide range of contemporary sculpture, and familiarizes students with current genres and issues. Assignments develop important foundational skills in 3-D design, construction and materials, while challenging the mind with compelling concepts. Material and Supply Fee will be assessed.

ART 2821  Art and Visual Culture Today
3 sh (may not be repeated for credit)
Examines the cross-fertilization of visual forms via various media from painting and photography to film and advertising. Investigates social practices and institutions that produce images, and the power of images to shape our opinions and beliefs. Also addresses theories about modes of seeing. (General Studies Course: HUM/FA).

ART 3213C  Advanced Ideas and Concepts
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C, ART 1301C, ART 2201C, ART 2203C
A personal and group exploration of the artistic process, which harnesses the skills developed in the foundation art and media-based course to expand the creative potential. For advanced art majors and all BFA candidates in their junior year. Material and Supply fee will be assessed.

ART 3312C  Drawing III: The Figure
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C, ART 1301C, and ART 2201C.
Requires essential education in drawing the human figure, whose accurate visualization remains a vital component of all artistic media and practice. Builds on the foundation art courses in drawing and two dimensional-design, which are necessary prerequisites. Material and Supply Fee will be assessed.

ART 3313C  Drawing for Non-Majors
3 sh (may not be repeated for credit)
Drawing for Non-Majors is for beginning artists who want to improve their drawing skills. Emphasizes composition, line, proportion, perspective, value, shading, and introduces color. Students will explore the technical handling of different types of materials through exercises and finished drawings. Material and Supply fee will be assessed.
ART 3442C Advanced Printmaking: Intaglio
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C, ART 1301C, ART 2201C, ART 2203C.
Discussion and exploration into a variety of printmaking techniques unique to the intaglio process. The philosophical and functional aspects of the course will be cultivated. Material and Supply Fee will be assessed.

ART 3504C Painting II-Intermediate
3 sh (may not be repeated for credit)
Prerequisite: ART 1301C and ART 2500C
Includes fundamentals review. Develops individuality. Uses observational and conceptual experiences/project. Stresses understanding/perceiving color, using media and techniques appropriate to the student’s personal development. Primarily for art majors. Credit may not be earned in both ART 3530C and ART 3504C. Material and Supply Fee will be assessed.

ART 3506C Painting III-Advanced
3 sh (may not be repeated for credit)
Prerequisite: ART 3504C
Individual development in media, technique and concept will be stressed. Possibilities of painting other then easel painting will be presented. Investigation and experimentation responding to situations and projects is required.

ART 3507C Painting for Non-Majors
3 sh (may not be repeated for credit)
Students will study paint, color, the tools to use and how to use them. The student is instructed to paint using still life, landscapes, possibly figures, and other objects/subjects. Some materials supplied. Primarily an introductory painting for majors outside of art. Invites all students. Material and Supply Fee will be assessed.

ART 3613C Digital Multimedia
3 sh (may not be repeated for credit)
Prerequisite: ART 2600C
Issues and applications of digital technology and critical thinking in art. Conceptual utilization of both theoretical thinking and contemporary digital studio art practice, with possible emphasis on video art, video streaming technology, emerging technology, installation, programming and/or robotics to be determined by instructor. Students work both individually and collaborate on projects that can involve video, space, time, objects, film, robotics, programming, or any other appropriate media. Material and Supply Fee will be assessed.

ART 3618C Introduction to Web-based Art
3 sh (may not be repeated for credit)
Prerequisite: ART 2600C
An introduction to the Internet as a platform for fine art practice. A study of the history of web-based interactive artworks, contemporary concepts and issues in interactive art are explored through regular critiques, readings, and screenings. Students will produce and critique artworks using HTML, scripting, and software-based site production for the web. Material and Supply Fee will be assessed.

ART 3630C Artist’s Video
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ART 2600C
An introduction to digital video using Final Cut Pro, iMovie, and After Effects. Focuses on video as an art medium, the history of video art and looking at examples from key artists of our time. Students must purchase a flash drive or a firewall external hard drive of at least 40GB for use in this class. Material and Supply Fee will be assessed.

ART 3660C Digital Photo Exploration
3 sh (may not be repeated for credit)
Prerequisite: ART 2600C
Designed for student artists interested in capturing digital images that can stand alone as compelling visual statements, or be incorporated within a broader artistic framework. Material and Supply Fee will be assessed.

ART 3714C Advanced Sculpture: Exploring Materials
3 sh (may not be repeated for credit)
Prerequisite: ART 2701C
Focuses on sculptural media and object making, both traditional and in contemporary practice. Provides further investigation into the selection of 3-D materials and its implications for authorship, meaning, environmental responsibility, and health concerns. Material and Supply Fee will be assessed.

ART 3718C Advanced Sculpture: Intro to the Genres
3 sh (may not be repeated for credit)
Prerequisite: ART 2701C
Reorganizes the open-ended nature of “sculpture” as a category in art practice today. Moves beyond the conventional definition of sculpture as concerned with volume and mass in space. Topics include how art is responsive to its context, and the issue of authorship, process, and vulnerability will be explored. Material and Supply Fee will be assessed.

ART 3737C Advanced Sculpture: Non-Place
3 sh (may not be repeated for credit)
Prerequisite: ART 2701C
Theory-based studio course that addresses anthropologist Marc Auge’s concept of the Non-Place. Course will examine what makes a space a non-place. Students will be challenged to think about the ways in which various kinds of art, architecture, and design can transform our everyday experiences of non-places into places that inspire. Material and Supply Fee will be assessed. Permission is required.

ART 3739C Advanced Sculpture: Site Specific Installation
3 sh (may not be repeated for credit)
Prerequisite: ART 2701C
Course will examine strategies for work on site, gaining an understanding of the complex intersection of the social, cultural, built, and natural environment that are essential to the creation of an artist’s intention, independently or in collaboration with others, in and out of the art world. Material and Supply Fee will be assessed.

ART 3760C Ceramics
3 sh (may not be repeated for credit)
Variety of handforming processes including throwing on the potter’s wheel. Deals with basic glazing and firing techniques. Invites all students. Material and Supply Fee will be assessed.
ART 3762C Ceramics: Wheelthrowing
3 sh (may not be repeated for credit)
Prerequisite: ART 3760C
Intermediate course in throwing techniques. Deals with clay in terms of functional as well as sculptural considerations. Covers a broad range of technical information. Material and supply fee will be assessed.

ART 3764C Ceramics: Handbuilding
3 sh (may not be repeated for credit)
Prerequisite: ART 3760C
Handbuilding techniques. Deals with clay in terms of functional as well as free-form design. Covers a broad range of technical information. Material and supply fee will be assessed. Credit may not be earned in both ART 3111C and ART 3764C.

ART 3769C Sculptural Ceramics
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ART 2203C, ART 3760C
Designed to encompass all skill levels from beginning to advanced. Work will be focused on using the clay body and glazes to create non-utilitarian works of art. Wheel throwing, coil building and slab building methods will be employed as needed to realize this goal. The main firing method will be cone 10 gas firing to create long-lasting stoneware pieces. Material and Supply Fee will be assessed.

ART 3827C Conceptual Research and Development
3 sh (may not be repeated for credit)
Course engages art majors as leaders in the creation of cultural products for a fabricated society, one whose structure bears an intended resemblance to today’s society. Students learn to lead group discussions and activities, culminating in a public exhibition of the culture’s "artifacts".

ART 3930 Special Topics in Painting and Drawing
1-9 sh (may be repeated for up to 27.0 sh of credit)
Unique topics concerning painting and drawing. Students should have background of fundamentals in painting and/or drawing. Assignments will vary.

ART 4161C New and Mixed Media: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ART 3213C
Focused research in new and mixed media with attention to the development of a personal artistic statement. For advanced upper-level students only. May be used as a capstone experience by studio art majors. Permission is required. Material and Supply Fee will be assessed.

ART 4332C Drawing IV - Advanced
3 sh (may not be repeated for credit)
Prerequisite: ART 3312C
While there is a continuation of the development of many of the concepts of drawing from ART 3312C, this course is dedicated to the study of life drawing concepts. The human figure will be the primary subject matter. Extensive experimentation and exploration of drawing media use in relation to the figure will be stressed. Permission is required. Material and supply fee will be assessed.

ART 4333C Drawing V - Advanced
3 sh (may not be repeated for credit)
Prerequisite: ART 4332C
Use of classroom/studio situation to direct the student towards independent study. Student will be required to participate in the structuring of projects and experiences that demand individual investigation and development. Material and supply fee will be assessed. Credit may not be earned in both ART 4332C and ART 4333C.

ART 4386C Drawing: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Topics tailored to the advanced drawing student’s personal creative exploration. May be used as a capstone experience by studio art majors. Permission is required. Material and Supply Fee will be assessed.

ART 4461C Printmaking: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ART 2400C, ART 3442C
Focused research in printmaking with attention to the development of a personal artistic statement. For advanced upper-level students only. May be used as a capstone experience by studio art majors. Permission is required. Material and Supply Fee will be assessed.

ART 4506C Painting IV-Advanced
3 sh (may not be repeated for credit)
Prerequisite: ART 3505C
Use of the classroom/studio to direct the student in independent study. Students will be required to initiate the structuring of projects and experiences and to pursue them with individual development and investigation. Credit may not be earned in both ART 4532C and ART 4506C.

ART 4520C Painting: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Unique topics concerning painting for the upper level or advanced student. Students should have an extensive background in the fundamentals of painting, drawing, and design, as well as an advanced knowledge of ideas/concepts in contemporary painting. May be designated a capstone experience.

ART 4619C Advanced Digital Multimedia
3 sh (may not be repeated for credit)
Prerequisite: ART 3613C, ART 3618C, ART 3630C
Advanced issues and applications of digital technology and critical thinking in art. Conceptual utilization of both theoretical thinking and contemporary digital studio art practice, with possible emphasis on video art, video streaming technology, installation, programming and/or robotics to be determined by instructor. Students work both individually and in collaboration on projects that can involve video, sound, space, time, objects, film, robotics, programming or any other appropriate media. Material and Supply Fee will be assessed.
ART 4633C Advanced Techniques in Interaction Design
3 sh (may not be repeated for credit)
Prerequisite: ART 3618C
An exploration of the design of interactive environments for design professionals. Issues addressed include accessibility, usability, interface, and information design. A greater emphasis on prototyping techniques and software best suited to the contemporary marketplace.

ART 4712C Sculpture: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Focused research into advanced specialized sculptural processes not normally covered within the normal sculpture course offerings. Processes covered are dependent upon direction of work. Contemporary art concepts are an integral part of this class. For advanced upper-level students only. May be designated a capstone course. Material Supply fee will be assessed.

ART 477C Ceramics: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: ART 3764C
Design and the development of individual expression in clay. Student has a choice of forming techniques. Covers advanced firing and glazing techniques. Material and supply fee will be assessed.

ART 4800 Portfolio
3 sh (may not be repeated for credit)
Provides the information, support, and technical ability needed to build a strong portfolio and prepare applications to graduate schools, residencies, and internships. Explains how to professionally enter the contemporary art market. Open to all art majors, but required of BFA students.

ART EDUCATION Courses
ARE 3313C Teaching of Art in the Elementary School
2 sh (may not be repeated for credit)
Art education on elementary level. Orientation in philosophy, materials and procedures for elementary education majors. Not open to art majors. Material and Supply fee will be assessed.

ARE 3314C Methods and Materials in Elementary Art Instruction
2 sh (may not be repeated for credit)
Prerequisite: ART 1300C, ART 2201C
Current art education practices and philosophies are addressed through a practical, hands-on exploration of the artistic media appropriate for the primary school child. Practicum activities in the public school classroom are required. This course is a prerequisite for ARE 4316C, and should be taken after completion of lower division art core. Permission is required. Material and Supply fee will be assessed.

ARE 4316C Special Methods in Art Education
4 sh (may be repeated for up to 8.0 sh of credit)
Studio activity incorporating contemporary concepts in art education, instructional and resource materials, evaluation and development. Curriculum development and implementation into the concurrent practicum. Individual criticism, class discussion and classroom observation and participation in the public schools. (8hrs. observation and 8hrs. participation). Permission is required. Material and Supply fee will be assessed.

ARE 4662 Arts and the Community
3 sh (may not be repeated for credit)
Designed to introduce students to the theoretical foundations and practice techniques of integrating arts and the community. The format will include 1 hour of lecture and topical discussions, semester journaling, and 1 hour lab exercises in partnership with Belmont Arts and Cultural Center. Offered concurrently with ARE 5667; graduate students will be assigned additional work.

ARE 4940 Art Education Internship
6-12 sh (may be repeated for up to 12.0 sh of credit)
Capstone course of the Art Education Specialization. Student elects an elementary school setting, a secondary art classroom or both. All internships are limited to Escambia and Santa Rosa counties. Credit hours may vary, depending on the length of the internship. Students who select the full 12-hour option should not enroll in additional coursework, or pursue employment during the Art Internship experience. Graded on Satisfactory/Unsatisfactory basis only. Permission is required.

ARE 5667 Arts and the Community
3 sh (may not be repeated for credit)
Designed to introduce students to the theoretical foundations and practice techniques of integrating arts and the community. The format will include 1 hour of lecture and topical discussions, semester journaling, and 1 hour lab exercises in partnership with Belmont Arts and Cultural Center. Offered concurrently with ARE 4662; graduate students will be assigned additional work.

ART HISTORY Courses
ARH 1010 Introduction to Art History
3 sh (may not be repeated for credit)
Surveys the key monuments of Western art and architecture from the upper Paleolithic period to the modern era. Not open to art majors. (General Studies Course: HUM/FA) Meets Multicultural requirement.

ARH 2050 Western Survey I: Greek to Renaissance
3 sh (may not be repeated for credit)
Analyses the western aesthetic heritage within its cultural context from the birth of Greek art through the late Renaissance era. Required for all art majors. (General Studies Course: HUM/FA), (Gordon Rule Course: Wrtg). Meets Multicultural requirement.

ARH 2051 Western Survey II: Baroque to Contemporary
3 sh (may not be repeated for credit)
Analyses the Western aesthetic heritage within its cultural context from the seventeenth century to the present. Required of all art majors. Satisfies the lower division requirement, ARH 1050. (Gordon Rule Course: Wrtg) and (General Studies Course: HUM/FA) Meets Multicultural requirement.
ARH 3590  Perspectives in Ancient and World Art
3 sh (may not be repeated for credit)
The changing interpretations of ancient and world art will be examined in the context of contemporary opinion. Areas in ancient art include prehistoric Europe, Mesopotamia, and Egypt. Emphasis will be placed on the arts of Asia, Africa, Oceania, and the Americas. Meets Multicultural requirement.

ARH 3621  American Art
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050, ARH 2051
A comprehensive survey of American painting, sculpture, and architecture from the seventeenth century to the third quarter of the twentieth century.

ARH 3724  History of Graphic Design
3 sh (may not be repeated for credit)
An analysis of the history of Graphic Design from its inception through its current role in contemporary society. Explores the historical relationship between graphic design and additional design disciplines such as: fashion, architecture, industrial, furniture and digital media design.

ARH 3871  Women in Art
3 sh (may not be repeated for credit)
Investigates the history and issues surrounding the roles of women in the visual arts: women as artists, models, subjects, and patrons. Explores differences in the portrayal of women by both women and men artists. Includes assessment of women’s themes, materials, critical theory, and cultural identities.

ARH 4112  Aegean Bronze Age and Greek Art and Architecture
3 sh (may not be repeated for credit)
Prerequisite: ARH 1010 or ARH 2050
Covers the development of art and architecture during both the Bronze Age in the Aegean area and the Iron Age in the ancient Greek world.

ARH 4150  Etruscan and Roman Art and Architecture
3 sh (may not be repeated for credit)
Prerequisite: ARH 1010 or ARH 2050
Covers the development of ancient art and architecture during both the Etruscan and Roman periods.

ARH 4302  Late Renaissance Art in Italy
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050 and ARH 2051
Examines the achievements of Italian artists and architects during the Cinquecento, including the art of Leonardo, Michelangelo, Raphael, Titian, Bramante and other noted masters. Offered concurrently with ARH 5314; graduate students will be assigned additional work. Meets Multicultural requirement.

ARH 4305  Early Italian Renaissance Art
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050 and ARH 2051
Examines the growth of the Italian Renaissance style in architecture, sculpture and painting from the late Dugento to the end of the Quattrocento. Offered concurrently with ARH 5315; graduate students will be assigned additional work. (Gordon Rule Course: Wrtg) Meets Multicultural requirement.

ARH 4412  Nineteenth Century European Art
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050 and ARH 2051
Focuses on the conflict between revolutionary and conservative forces in European art from Neo-Classicism to Symbolism. Offered concurrently with ARH 5440; graduate students will be assigned additional work. Gordon Rule Course: Wrtg. Meets Multicultural requirement. Credit may not be received for both ARH 4412 and ARH 4430.

ARH 4450  Modern Art 1900-1950
3 sh (may not be repeated for credit)
Ideas which shaped the process of formulation from Fauvism to Abstract Expressionism. Offered concurrently with ARH 5465; graduate students will be assigned additional work. (Gordon Rule Course: Wrtg) Meets Multicultural requirement.

ARH 4470  Art After 1950
3 sh (may not be repeated for credit)
Central issues and concepts of contemporary movements in art. Meets Multicultural requirement.

ARH 4652  Art and Archaeology of the Ancient Andes
3 sh (may not be repeated for credit)
Cultural and artistic heritage of the pre-Columbian Andean region through a study of surviving artifacts and excavated sites. Offered concurrently with ARH 5658; graduate students will be assigned additional work. Meets Multicultural requirement.

ARH 4653  Art and Archaeology of Mesoamerica
3 sh (may not be repeated for credit)
Cultural and artistic heritage of pre-Columbian Mesoamerica through a study of surviving artifacts and excavated sites. Offered concurrently with ARH 5659; graduate students will be assigned additional work. Meets Multicultural requirement.

ARH 4710  History of Photography
3 sh (may not be repeated for credit)
The history of photography and how it documents, relates to, reflects, and shapes history, culture and the arts. Offered concurrently with ARH 5715; graduate students will be assigned additional work.

ARH 4830C  Museum and Gallery Studies
3 sh (may not be repeated for credit)
Examines in depth the theoretical and practical aspects of museum/gallery management. Includes promotion, finance, grantsmanship, space design and other related issues. Offered concurrently with ARH 5836; graduate students will be assigned additional work.

ARH 4835  Museum and Gallery Studies Practicum
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ARH 4830C
Advanced study of theoretical and practical aspects of museum/gallery management through placement in a non-profit museum or gallery. Students participate in full range of activities available in the setting, but are also expected to complete a specific museum/gallery project. Offered concurrently with ARH 5947; graduate students will be assigned additional work. Permission is required.
ARH 4880  Art in Environment
3 sh (may not be repeated for credit)
Examines the history and major concepts of environmental art including land art, performance, installation, earthworks, site-specific conceptual, and public art. The innovations, discourses, and controversies will be discussed with an emphasis on the principle ideas, processes, and contexts of the artworks.

ARH 4900  Readings in Art History
1-3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: Minimum of 2 upper division Art History courses.
Critical examination of the major research that shaped past and current opinion in an area of art history elected by the students. Advanced students only. Permission is required.

ARH 4911  Research in Art History
3 sh (may be repeated for up to 6.0 sh of credit)
Provides the advanced art history student with an opportunity to design and execute an original research project, one which ideally leads to publication or implementation. May be selected as a capstone experience. (Gordon Rule Course: Wrtg) Permission is required.

ARH 4930  History of Art History Seminar
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050, ARH 2051.
Examines the changing perspectives and influences that have affected the discipline, from Vasari’s biographical approach to the post-structuralism of the New Art History. Required for art history majors.

ARH 4955  Museum, Gallery, or Foreign Study Program
1-6 sh (may be repeated for up to 6.0 sh of credit)
Deeper understanding of works of art through a direct study of originals. Credit may be given for independent study or course work completed at recognized museums, galleries, foreign universities, or study-abroad programs. Advanced students only. Graded on satisfactory/unsatisfactory basis only. Permission is required.

ARH 5314  Late Renaissance Art in Italy
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050 and ARH 2051.
Examines the achievements of Italian artists and architects during the Cinquecento, including the art of Leonardo, Michelangelo, Raphael, Titian, Bramante and other noted masters. Offered concurrently with ARH 4302; graduate students will be assigned additional work.

ARH 5315  Early Italian Renaissance Art
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050 and ARH 2051.
Examines the growth of the Italian Renaissance style in architecture, sculpture and painting from the late Dugento to the end of the Quattrocento. Offered concurrently with ARH 4305; graduate students will be assigned additional work.

ARH 5465  Modern Art 1900-1950
3 sh (may not be repeated for credit)
Ideas which shaped the process of formulation from Fauvism to Abstract Expressionism. Offered concurrently with ARH 4450; graduate students will be assigned additional work.

ARH 5482  Art After 1950
3 sh (may not be repeated for credit)
Central issues and concepts of contemporary movements in art. Offered concurrently with ARH 4470; graduate students will be assigned additional work.

ARH 5658  Art and Archaeology of the Ancient Andes
3 sh (may not be repeated for credit)
 Cultural and artistic heritage of the pre-Columbian Andean region through a study of surviving artifacts and excavated sites. Graduate students will be assigned additional work.

ARH 5659  Art and Archaeology of Mesoamerica
3 sh (may not be repeated for credit)
Cultural and artistic heritage of pre-Columbian Mesoamerica through a study of surviving artifacts and excavated sites. Offered concurrently with ARH 4653; graduate students will be assigned additional work.

ARH 5715  History of Photography
3 sh (may not be repeated for credit)
The history of photography and how it documents, relates to, reflects and shapes history, culture and the arts. Offered concurrently with ARH 4710; graduate students will be assigned additional work.

ARH 5836  Museum and Gallery Studies
3 sh (may not be repeated for credit)
Examines in depth the theoretical and practical aspects of museum/gallery management. Includes promotion, finance, grantsmanship, space design and other related issues. Offered concurrently with ARH 4830C; graduate students will be assigned additional work. Permission is required.

ARH 5947  Museum and Gallery Practicum
1-3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ARH 5836 or ARH 4830C
Advanced study of theoretical and practical aspects of museum/gallery management through placement in a non-profit museum or gallery. Students will participate in a full range of activities available in the setting, but are also expected to complete a specific museum/gallery project. Offered concurrently with ARH 4835; graduate students will be assigned additional work. Permission is required.

ASIAN HISTORY Courses

ASH 4623  Women in the Muslim World
3 sh (may not be repeated for credit)
An interdisciplinary course designed to provide an historical overview of women in the Muslim world (with emphasis on the Middle East). Integrates imaginative literature of non-fiction, readings and visuals from art history, Islam, psychology, religion, history and other academic disciplines as well as Nationalist and Islamist perspectives. Covers historical, theoretical, social and cultural perspectives on a variety of issues as well as how Muslim society has constructed, articulated, manifested, institutionalized and marginalized women.
ASTRONYM Courses

AST 3033  Modern Astronomy
3 sh (may not be repeated for credit)
Comprehensive survey of the universe and its appearance from earth. Seasons, tides, eclipses. The solar system, stellar evolution and galaxies. Quasars, pulsars, black holes. (General Studies Course: NS/LEC).

BIOCHEMISTRY (BIOPHYSICS) Courses

BCH 3033  Biochemistry I
3 sh (may not be repeated for credit)
Prerequisite: CHM 2210 with C or higher
A first course in biochemistry dealing with the classification, function, and chemistry of proteins, carbohydrates, and nucleic acids and the smaller molecules from which they are derived. Conformational properties of biomolecules, enzyme kinetics and mechanisms, allosterism and cooperativity are surveyed. Material and supply fee will be assessed for corresponding lab.

BCH 3033L  Biochemistry I Laboratory
1 sh (may not be repeated for credit)
Prerequisite: BCH 3033
Co-requisite: BCH 3033
Builds on the knowledge gained in BCH 3033 or CHM 2210/CHM 2211 which deals with biological membranes and the anabolic and catabolic pathways of the major biological macromolecules.

BCH 6107  Thesis
1-6 sh (may be repeated for up to 6.0 sh of credit)
In collaboration with a chemistry faculty member, students will identify a significant biological chemistry oriented research topic. They will perform an extensive review of academic literature, develop testable hypotheses or research questions, gather and analyze experimental data, and write up final conclusions based on results of the experiments. May enroll for more than one term--minimum of 6 sh required for M.S. Biological Chemistry degree. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

BIOLOGICAL OCEANOGRAPHY Courses

OCB 4104  Marine Field Ecology
2 sh (may not be repeated for credit)
A hands-on introduction to sea-going oceanography. Permission is required. Offered concurrently with OCB 5106; graduate students will be assigned additional work.

OCB 5106  Marine Field Ecology
2 sh (may not be repeated for credit)
A hands-on introduction to sea-going oceanography. Permission is required. Offered concurrently with OCB 4104; graduate students will be assigned additional work.

BIOLOGICAL SCIENCES Courses

BSC 1005  General Biology for Non-Majors
3 sh (may not be repeated for credit)
Survey of abiotic and biotic principles as they apply to basic structural and functional topics at the cellular, organismal, population and community levels; and the application of these principles to issues of current interest. (General Studies Course: NS/LEC).

BSC 1005L  General Biology Laboratory for Non-Majors
1 sh (may not be repeated for credit)
Lab correlating with BSC 1005. Material and Supply Fee will be assessed. (General Studies Course: NS/LAB).

BSC 1050  Fundamentals of Ecology
3 sh (may not be repeated for credit)
Intended for non-majors who have an interest in nature and how they interact with nature. Gives general overview of ecological principles and how these principles influence the outside world around us. Imbedded are several activities that are associated with each chapter. The activities were developed so that the student will gain a respect for ecology as well as show how ecological principles affect your daily life. (General Studies: Natural Sciences, Lecture).

BSC 1085  Anatomy and Physiology I
3 sh (may not be repeated for credit)
General introduction to form and function of the human body. Review of basic anatomical/physiological attributes of integumentary, skeletal, muscular, nervous and sensory organ systems. Designed for students with little or no previous anatomy or physiology experience. Lab optional. (General Studies Course: NS/LEC).

BSC 1085L  Anatomy and Physiology I Laboratory
1 sh (may not be repeated for credit)
Optional lab associated with course. Anatomical dissection and experimental physiology exercises that enhance understanding of human form and function. Exercises parallel topics presented in the lecture series. (General Studies Course: NS/LAB) Material and supply fee will be assessed.

BSC 1086  Anatomy and Physiology II
3 sh (may not be repeated for credit)
Continuation of Anatomy and Physiology I. Reviews basic anatomical/physiological attributes of endocrine, cardiopulmonary, digestive, reproductive and immune systems. Lab optional. (General Studies Course: NS/LEC).

BSC 1086L  Anatomy & Physiology II Laboratory
1 sh (may not be repeated for credit)
Optional lab associated with course. Anatomical dissection and experimental physiology exercises that enhance understanding of human form and function. Exercises parallel topics presented in the lecture series. (General Studies Course: NS/LAB) Material and supply fee will be assessed.

ASTR 3033  Modern Astronomy
3 sh (may not be repeated for credit)
Comprehensive survey of the universe and its appearance from earth. Seasons, tides, eclipses. The solar system, stellar evolution and galaxies. Quasars, pulsars, black holes. (General Studies Course: NS/LEC).

BIOCHEMISTRY (BIOPHYSICS) Courses

BCH 3033  Biochemistry I
3 sh (may not be repeated for credit)
Prerequisite: CHM 2210 with C or higher
A first course in biochemistry dealing with the classification, function, and chemistry of proteins, carbohydrates, and nucleic acids and the smaller molecules from which they are derived. Conformational properties of biomolecules, enzyme kinetics and mechanisms, allosterism and cooperativity are surveyed. Material and supply fee will be assessed for corresponding lab.

BCH 3033L  Biochemistry I Laboratory
1 sh (may not be repeated for credit)
Prerequisite: BCH 3033
Co-requisite: BCH 3033
Builds on the knowledge gained in BCH 3033 or CHM 2210/CHM 2211 which deals with biological membranes and the anabolic and catabolic pathways of the major biological macromolecules.

BCH 6107  Thesis
1-6 sh (may be repeated for up to 6.0 sh of credit)
In collaboration with a chemistry faculty member, students will identify a significant biological chemistry oriented research topic. They will perform an extensive review of academic literature, develop testable hypotheses or research questions, gather and analyze experimental data, and write up final conclusions based on results of the experiments. May enroll for more than one term--minimum of 6 sh required for M.S. Biological Chemistry degree. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

BIOLOGICAL OCEANOGRAPHY Courses

OCB 4104  Marine Field Ecology
2 sh (may not be repeated for credit)
A hands-on introduction to sea-going oceanography. Permission is required. Offered concurrently with OCB 5106; graduate students will be assigned additional work.

OCB 5106  Marine Field Ecology
2 sh (may not be repeated for credit)
A hands-on introduction to sea-going oceanography. Permission is required. Offered concurrently with OCB 4104; graduate students will be assigned additional work.

BIOLOGICAL SCIENCES Courses

BSC 1005  General Biology for Non-Majors
3 sh (may not be repeated for credit)
Survey of abiotic and biotic principles as they apply to basic structural and functional topics at the cellular, organismal, population and community levels; and the application of these principles to issues of current interest. (General Studies Course: NS/LEC).

BSC 1005L  General Biology Laboratory for Non-Majors
1 sh (may not be repeated for credit)
Lab correlating with BSC 1005. Material and Supply Fee will be assessed. (General Studies Course: NS/LAB).

BSC 1050  Fundamentals of Ecology
3 sh (may not be repeated for credit)
Intended for non-majors who have an interest in nature and how they interact with nature. Gives general overview of ecological principles and how these principles influence the outside world around us. Imbedded are several activities that are associated with each chapter. The activities were developed so that the student will gain a respect for ecology as well as show how ecological principles affect your daily life. (General Studies: Natural Sciences, Lecture).

BSC 1085  Anatomy and Physiology I
3 sh (may not be repeated for credit)
General introduction to form and function of the human body. Review of basic anatomical/physiological attributes of integumentary, skeletal, muscular, nervous and sensory organ systems. Designed for students with little or no previous anatomy or physiology experience. Lab optional. (General Studies Course: NS/LEC).

BSC 1085L  Anatomy and Physiology I Laboratory
1 sh (may not be repeated for credit)
Optional lab associated with course. Anatomical dissection and experimental physiology exercises that enhance understanding of human form and function. Exercises parallel topics presented in the lecture series. (General Studies Course: NS/LAB) Material and supply fee will be assessed.

BSC 1086  Anatomy and Physiology II
3 sh (may not be repeated for credit)
Continuation of Anatomy and Physiology I. Reviews basic anatomical/physiological attributes of endocrine, cardiopulmonary, digestive, reproductive and immune systems. Lab optional. (General Studies Course: NS/LEC).

BSC 1086L  Anatomy & Physiology II Laboratory
1 sh (may not be repeated for credit)
Optional lab associated with course. Anatomical dissection and experimental physiology exercises that enhance understanding of human form and function. Exercises parallel topics presented in the lecture series. (General Studies Course: NS/LAB) Material and supply fee will be assessed.

ASTR 3033  Modern Astronomy
3 sh (may not be repeated for credit)
Comprehensive survey of the universe and its appearance from earth. Seasons, tides, eclipses. The solar system, stellar evolution and galaxies. Quasars, pulsars, black holes. (General Studies Course: NS/LEC).
BSC 2311L  Introduction to Oceanography and Marine Biology Laboratory
1 sh (may not be repeated for credit)
Lab correlating with BSC 2311. Credit not granted toward a major in Biology. (General Studies Course: NS/LAB) Material and Supply Fee will be assessed.

BSC 3401C  Introduction to Forensic Biology
3 sh (may not be repeated for credit)
Students will be exposed to biological evidence they are likely to encounter in their professional activities as a criminal investigator and introduced to some of the techniques used to analyze biological materials. Topics include hair and fiber, blood/body fluid, pollen, pigments, insects, and DNA analysis. Mock crime scenes will be used to introduce various topics and emphasize the need to properly collect and preserve physical evidence in a manner that will permit the laboratory to extract as much additional information as possible from the material. Not open to Biology majors as part of their degree program. Material and Supply Fee will be assessed.

BSC 3948  Service Learning Field Study II
1-3 sh (may be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 6-8 hours per week must be done at the field site per semester hour of credit. Permission is required.

BSC 3949  Cooperative Education
1-2 sh (may be repeated for up to 4.0 sh of credit)
Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education) Permission of director of Cooperative Education is required. Graded on satisfactory/unsatisfactory basis only.

BSC 4263  Biological Oceanography
3 sh (may not be repeated for credit)
Biota of the oceans, including systematics, special morphological adaptations, physiology, natural history and zoogeography of plankton and nekton. Relationship between biota and the physiochemical properties of the pelagic realm. Graduate students will be assigned additional work.

BSC 4303  Biogeography
3 sh (may not be repeated for credit)
Relates the principles of taxonomy, ecology and evolution to the distribution of plants and animals. Codes of taxonomic nomenclature and the processes of describing species and ranges, species concepts and speciation, paradigms of constructing phylogenies, a review of the geologic ages of the earth, modern terrestrial and oceanic biodiversity and biogeographic provinces and human impact on species extinctions and introductions. Offered concurrently with BSC 5305; graduate students will be assigned additional work.

BSC 4307  Climate Change Biology
3 sh (may not be repeated for credit)
Natural processes and anthropogenic activities that are key forces in initiating and determining changes in Earth's environment on regional and global scales. An overview of Earth's dynamic environmental history relative to the biosphere, including methods used to reconstruct past climates and detect current trends; apparent and potential impacts of recent climate change and ozone depletion on organisms and ecosystems with perspectives on future predictions and modeling efforts. Offered concurrently with BSC 5308; graduate students will be assigned additional work.

BSC 4434  Introduction to Bioinformatics
3 sh (may not be repeated for credit)
A molecular renaissance in biology has produced a wealth of sequence and three-dimensional structure databases. "Mining" of these data with various computational methods to obtain useful information is an emerging interdisciplinary area of study. Students will review structure, function and evolution of proteins and nucleic acids as well as the latest computational methods for retrieval and interpretation of this bioinformation. Offered concurrently with BSC 5459; graduate students will be assigned additional work.

BSC 4854  Bioterrorism
3 sh (may not be repeated for credit)
Biological weapons employed against man (emphasis), animals and plants will be discussed during the semester. The major biological agents targeted for use as weapons against humans will be dealt with in detail including the various clinical forms induced by exposure to the agents, prophylaxis and treatment for the resulting diseases and the primary routes of dissemination of the agents studied. The class will cover the potential for biowarfare/terrorist acts, how destruction is produced, and what countries/groups have access to sufficient bioagent or the capacity for producing large quantities of biological agents for use as a weapon. Wargames in which biowarfare agents are employed, including casualty estimates and socioeconomic impact will be discussed and played out. Government preparedness to deal with biowarfare/bioterrorism will be addressed with emphasis on plans for surveillance and response. Offered concurrently with BSC 5856; graduate students will be assigned additional work.

BSC 4941  Clinical Experience in Health Care
3 sh (may not be repeated for credit)
Prerequisite: Junior status
Clinical experience in select health care locations within the region through Memoranda of Understanding (MOU) established with UWF and Biology. Permission process includes an interview conducted by the target health care entity to ensure expectations of student and health care entity will be met. Students will be expected to invest a minimum of 12 hrs/week on the project during the semester in which they are enrolled. A final report on the project(s) will be submitted. Permission is required.
for surveillance and response. Offered concurrently with BSC 4854; graduate students will be assigned additional work.

BSC 5308 Climate Change Biology
3 sh (may not be repeated for credit)

Natural processes and anthropogenic activities that are key forces in initiating and determining changes in Earth’s environment on regional and global scales. An overview of Earth’s dynamic environmental history relative to the biosphere, including methods used to reconstruct past climate changes and detect current trends; apparent and potential impacts of recent climate change and ozone depletion on organism and ecosystems with perspectives on future predictions and modeling efforts. Offered concurrently with BSC 4307; graduate students will be assigned additional work. Credit may not be received in both BSC 5308 and BSC 4307.

BSC 5459 Introduction to Bioinformatics
3 sh (may not be repeated for credit)

A molecular renaissance in biology has produced a wealth of sequence and three-dimensional structure databases. "Mining" of these data with various computational methods to obtain useful information is an emerging interdisciplinary area of study. Students will review structure, function and evolution of proteins and nucleic acids as well as the latest computational methods for retrieval and interpretation of this bioinformation. Offered concurrently with BSC 4434; graduate students will be assigned additional work. Credit may not be received in both BSC 5459 and BSC 4434.

BSC 5306 Bioterrorism
3 sh (may not be repeated for credit)

Biological weapons employed against man (emphasis), animals and plants will be discussed during the semester. The major biological agents targeted for use as weapons against humans will be dealt with in detail including the various clinical forms induced by exposure to the agents, prophylaxis and treatment for the resulting diseases and the primary routes of dissemination of the agents studied. The class will cover the potential for biowarfare/bioterrorist acts, how destruction is produced, and what countries/groups have access to sufficient bioagent or the capacity for producing large quantities of biological agents for use as a weapon. Wargames in which bioagents are employed, including casualty estimates and socioeconomic impact, will be discussed and played out. Government preparedness to deal with biowarfare/bioterrorism will be addressed with emphasis on plans for surveillance and response. Offered concurrently with BSC 4854; graduate students will be assigned additional work.

BSC 6002L Contemporary Laboratory Skills
4 sh (may not be repeated for credit)

A review of contemporary laboratory protocols and techniques necessary for the modern biologist to succeed in the professional, academic, or intellectual biology community. Provides students with a theoretical understanding of various techniques, their application, and the opportunity to master basic essential techniques in the laboratory. Topics include good laboratory practices, cell culture techniques, nucleic acid manipulation, macromolecular separation and detection, DNA analysis, chromatographic separations, spectrophotometry, microscopy, and radioisotope usage. Material and Supply Fee will be assessed.

BSC 6415 Pharmaceuticals: Development, Manufacturing and Testing
3 sh (may not be repeated for credit)

Provides an understanding of the development, manufacturing and testing of pharmaceuticals. The drug development cycle, basic experimental design in the pharmaceutical sciences, FDA issues related to pharmaceuticals, regulations and reports in the development/manufacturing/testing of pharmaceuticals, project management in clinical trials and standards for postapproval changes in pharmaceuticals will be covered.

BSC 6840 Professional Development in Biology
3 sh (may not be repeated for credit)

A review of contemporary protocols, techniques, and methods needed to succeed in the professional, academic, or intellectual biology community. Topics include 1) organization of the professional and academic biology environment, 2) reading, interpreting, organizing and publishing biological literature, 3) biological project development, presentation, and funding, 4) locating and securing positions in the biological sciences.

BSC 6841 Advances in Biomedical Sciences
3 sh (may not be repeated for credit)

Covers current regional, state, national and international advances in biomedical sciences and implications for current and future health care. Lectures cover recent topics in this area followed by expansion of the information through written assignments for students. Each student will be expected to research through primary literature a series of selected topics and provide a report which will include an assessment of the impact of these discoveries on health care and the potential for fueling additional advancements in the biomedical sciences. Permission is required.

BSC 6941 Internship in Biomedical/Pharmaceutical Industry
6 sh (may not be repeated for credit)

Prerequisite: HSC 6012

The student will be placed with a regional biotech/biomed/ pharmaceutical company where they will be assigned to a lower or middle-level administrator and be engaged in the daily conduct of business in the industry. The industry mentor, in consultation with the faculty advisor, will assign a specific project to the student which engages information from one or more of the topics covered in the Professional Development course which must be completed in the time allotted. The student will be required to produce a written report describing their project and the project outcome in which they draw and defend conclusions and make and defend recommendations. Student performance will be assessed by the industry mentor in cooperation with the faculty advisor.
BSC 6971  Thesis
1-6 sh (may be repeated for up to 12.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

BOTANY Courses

BOT 2010  General Botany
4 sh (may not be repeated for credit)
Co-requisite: BOT 2010L
Introduction to the basic concepts which apply to all plants including cell theory, biosynthetic processes, physiological response, development and reproduction, as well as consideration of plant morphology, systematics and evolution. Material and supply fee will be assessed for corresponding lab. (General Studies Course: NS/LEC).

BOT 2010L  General Botany lab
0 sh (may not be repeated for credit)
Co-requisite: BOT 2010

BOT 4374  Plant Developmental Biology
4 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 4374L
Examines the succession of changes that occurs in plants as they progress from a simple embryo to a complex mature plant and through senescence. Plant growth, differentiation, organogenesis, morphogenesis, and environmental influences such as light, temperature, and gravity will be explored emphasizing the cellular and molecular events that control developmental processes. The accompanying laboratory features experiments selected to demonstrate and reinforce important principles discussed in lecture. Offered concurrently with BOT 5376; graduate students will be assigned additional work. Material and Supply fee will be assessed for corresponding lab.

BOT 4374L  Plant Developmental Biology Laboratory
0 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 4374

BOT 4503  Plant Physiology
4 sh (may not be repeated for credit)
Prerequisite: BOT 2010 or ZOO 1010
Co-requisite: BOT 4503L
Examines the basic physiological and biochemical processes that determine and govern plant function. Topics include photosynthesis, mitochondrial metabolism, energetics, transport systems, water relations, cell walls, phytohormones, gene expression, and selected aspects of secondary plant metabolism. The accompanying laboratory features experiments selected to demonstrate and reinforce important principles discussed in lecture. Offered concurrently with BOT 5506; graduate students will be assigned additional work. Material and supply fee will be assessed for corresponding lab.

BOT 4503L  Plant Physiology Laboratory
0 sh (may not be repeated for credit)
Prerequisite: BOT 2010 or ZOO 1010
Co-requisite: BOT 4503

BOT 4404  Aquatic Botany
4 sh (may not be repeated for credit)
Co-requisite: BOT 4404L
Morphology, taxonomy, physiology and ecology of aquatic plants, especially freshwater and marine algae. Material and supply fee will be assessed for corresponding lab.

BOT 4404L  Aquatic Botany Lab
0 sh (may not be repeated for credit)
Co-requisite: BOT 4404

BOT 4734  Plant Biotechnology
4 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 4734L
Designed to accompany BOT 4503 and features experiments that demonstrate and reinforce physiological and biochemical principles presented in the lecture. Topics include plant nutrition, enzymology, photosynthesis, respiration, transpiration, plant hormones, and seed germination. Material and supply fee will be assessed. Offered concurrently with BOT 5506L; graduate students will be assigned additional work.

BOT 4734L  Plant Biotechnology Lab
0 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 4734

Practices for students with a foundation in the molecular biology and genetic manipulation of plants. Model plant systems are used to illustrate current concepts and methodologies used in a modern plant biotechnology laboratory. Case studies illustrate commercial applications of products derived from plant biotechnology and introduce students to ethical issues arising from the use of plant biotechnology. The accompanying laboratory provides students with the opportunity to perform basic manipulations required in a plant biotechnology laboratory and reinforces the principles presented in lecture. Material and supply fee will be assessed for corresponding lab. Offered concurrently with BOT 5735; graduate students will be assigned additional work.

BOT 4850  Medicinal Botany
3 sh (may not be repeated for credit)
Prerequisite: BOT 2010

Pharmacognosy, the knowledge of drugs, grew out of the old herbal remedies passed down by tradition. Plant natural products continue to form the basis of many new therapeutic treatments in modern and alternative medicines. Provides a survey of phytochemicals that have proven useful for improving human health beyond the basic use of plants as a food source. Offered concurrently with BOT 5852 graduate students will be assigned additional work.
BOT 5376  Plant Developmental Biology
4 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 5376L
Examines the succession of changes that occurs in plants as they progress from a simple embryo to a complex mature plant and through senescence. Plant growth, differentiation, organogenesis, morphogenesis, and environmental influences such as light, temperature, and gravity will be explored emphasizing the cellular and molecular events that control developmental processes. The accompanying laboratory features experiments selected to demonstrate and reinforce important principles discussed in lecture. Offered concurrently with BOT 4374; graduate students will be assigned additional work. Material and Supply fee will be assessed to corresponding lab.

BOT 5376L  Plant Developmental Biology Laboratory
0 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 5376
Is designed to accompany BOT 5376. Features experiments that demonstrate and reinforce developmental processes presented in the lecture. Topics include cell division and elongation, phototropism, gravitropism, photoperiodism, seed germination, senescence, and plant tissue culture. Offered concurrently with BOT 4374L; graduate students will be assigned additional work. Material and supply fee will be assessed.

BOT 5506  Plant Physiology
4 sh (may not be repeated for credit)
Prerequisite: BOT 2010 or ZOO 1010
Co-requisite: BOT 5506L
Examines the basic physiological and biochemical processes that determine and govern plant function. Topics include photosynthesis, mitochondrial metabolism, energetics, transport systems, water relations, cell walls, phytohormones, gene expression, and selected aspects of secondary plant metabolism. The accompanying laboratory features experiments selected to demonstrate and reinforce important principles discussed in lecture. Offered concurrently with BOT 4503; graduate students will be assigned additional work. Material and supply fee will be assessed for corresponding lab.

BOT 5506L  Plant Physiology Lab
0 sh (may not be repeated for credit)
Co-requisite: BOT 5506
Corresponding lab for Plant Physiology.

BOT 5735  Plant Biotechnology
4 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Co-requisite: BOT 5735L
Provides students with a foundation in the molecular biology and genetic manipulation of plants. Model plant systems are used to illustrate current concepts and methodologies used in a modern plant biotechnology laboratory. Case studies illustrate commercial applications of products derived from plant biotechnology and introduce students to ethical issues arising from the use of plant biotechnology. The accompanying laboratory provides students with the opportunity to perform basic manipulations required in a plant biotechnology laboratory and re-enforces the principles presented in lecture. A material and supply fee will be assessed for corresponding lab. Offered concurrently with BOT 4734; graduate students will be assigned additional work.

BOT 5735L  Plant Biotechnology Lab
0 sh (may not be repeated for credit)
Co-requisite: BOT 5735
Corresponding lab for Plant Biotechnology.

BOT 5852  Medicinal Botany
3 sh (may not be repeated for credit)
Prerequisite: BOT 2010
Pharmacognosy, the knowledge of drugs, grew out of the old herbal remedies passed down by tradition. Plant natural products continue to form the basis of many new therapeutic treatments in modern and alternative medicines. Provides a survey of phytochemicals that have proven useful for improving human health beyond the basic use of plants as a food source. Offered concurrently with BOT 4850; graduate students will be assigned additional work.

BUILDING CONSTRUCTION Courses

BCN 2272  Blueprint Reading
3 sh (may not be repeated for credit)
The reading of construction blueprints is a foundational skill in construction. All construction professionals, regardless of specific profession, must know how to read blueprints. Course provides foundational knowledge and enough practice at reading blueprints to give a basic understanding as well as the requirements for the GC Exam. Students are required to purchase a set of scales: architectural and engineering.

BCN 2405  Statics and Strength of Materials
3 sh (may not be repeated for credit)
Analysis and strength of structural elements for buildings, bridges and specialized structures that utilize steel and timber and concrete. Covers the statics of particles, rigid bodies, friction, strengths of materials such as wood, steel and concrete.

BCN 3224  Construction Materials and Methods
3 sh (may not be repeated for credit)
Methods of how buildings are constructed - as they relate to the changing materials, methods and technologies - are explored. Focusing on the most common and practical building materials and methods, students will learn “means and methods” of construction through instructor guidance, class demonstrations, and hands-on experiences.
BCN 3281C  Construction Survey and Building Layout  
3 sh (may not be repeated for credit)  
Application of surveying skills required in the field of construction, including building layout, indirect determination of elevation and distance, referencing, establishment of grade, and topographic mapping. Instruments used will include transit and automatic level.

BCN 3561  Construction Mechanics I  
3 sh (may not be repeated for credit)  
Introduces building mechanical and electrical system basics and related equipment. Areas of study include heating, ventilating, air conditioning (HVAC), plumbing and piping systems, fire protection, electrical equipment and systems, electrical design and lighting.

BCN 3590  Sustainable Construction  
3 sh (may not be repeated for credit)  
Sustainable construction knowledge is fast becoming a requirement in construction-related industries. Organizations and resources available to prepare and apply the practices, initiatives, materials, and theories of the practices of green building will be explored. Preparatory lectures for the LEED Professional Accreditation Exam.

BCN 3731  Construction Safety  
3 sh (may not be repeated for credit)  
Principles of safety in typical industrial and construction environments.

BCN 3762  Building Codes  
3 sh (may not be repeated for credit)  
An on-line course that covers the general requirements of the Florida Building Code for commercial construction, based on occupancy classification and construction type.

BCN 3767  CDT Prep Course: Construction Documents  
3 sh (may not be repeated for credit)  

BCN 4258C  Project Conceptualization  
3 sh (may not be repeated for credit)  
Prerequisite: BCN 2272 and BCN 3224  
Introduction to 3D Modeling software for Building Information Modeling (BIM). Activities are designed to provide in-depth theory with the use of BIM information and the impact on construction contracts and processes. There is a downloadable free BIM program that will be used but the student must have their own computer to load the program and use it for this course.

BCN 4431  Structures  
3 sh (may not be repeated for credit)  
Prerequisite: BCN 2405  
Analysis and design of structural elements for buildings, bridges and specialized structures which utilize steel and timber. Includes the evaluation of beam sheers, deflection, bearing and moment, plus column behavior, along with their connectors for both steel and timber, including laminates and plywood.

BCN 4461  Soils, Concrete, and Masonry  
3 sh (may be repeated for up to 0.0 sh of credit)  
Prerequisite: BCN 4431  
Analysis and design of concrete elements as related to construction, including forms, formwork design and form materials. Examination of reinforced concrete strength design methods as well as codes and safety as they apply to concrete structures.

BCN 4564  Construction Mechanics II  
3 sh (may not be repeated for credit)  
Prerequisite: BCN 3561  
Examination of heating, ventilating, air conditioning (HVAC), plumbing and piping systems, fire protection, electrical equipment and systems, electrical design and lighting. A construction site visit is included.

BCN 4701  Construction Administration  
3 sh (may not be repeated for credit)  
Overview of the construction industry and professional requirements of management, administration and project management in construction environments. Consideration of information required to sit for the contractor’s examination.

BCN 4720C  Scheduling  
3 sh (may not be repeated for credit)  
Prerequisite: BCN 4701 and MAN 3583  
Scheduling for construction project management is a critical skill in construction. An overview of scheduling techniques, applications, and software packages available; Primavera, a scheduling software package, will be used.

BCN 4940  Construction Internship/Senior Project  
3 sh (may not be repeated for credit)  
Field-based experience where students work in real-world situations with industry professionals. Permission is required.

BUSINESS LAW Courses

BUL 3130  Legal Environment of Business  
3 sh (may not be repeated for credit)  
Background of law and legal environment of business, including administrative, social, political and ethical aspects. Coverage of law includes contracts, sales under Uniform Commercial Code, negotiable instruments and personal and real property.

BUL 4602  Legal Fundamentals of Healthcare and Public Health  
3 sh (may be repeated for up to 6.0 sh of credit)  
An overview of the laws most affecting the provision of healthcare and public health practices. The legal basis for government involvement in the public’s health is examined with an analysis public health authority. A general overview of the laws controlling the provision of private sector healthcare including industry and professional regulation, prohibited payment schemes, Bioethics, end-of-life issues, informed medical consent, and patient privacy. Offered concurrently with BUL 5605; graduate students will be assigned five review articles in the subject area and tested separately over this material. In addition, graduate students will be assigned a topic on legal issues in public health which they will present before the class for discussion. They will provide conclusions and recommendations related to this topic and defend their position.
BUL 5605  Legal Fundamentals of Healthcare and Public Health  
3 sh (may be repeated for up to 6.0 sh of credit)

An overview of the laws most affecting the provision of healthcare and public health practices. The legal basis for government involvement in the public's health is examined with an analysis public health authority. A general overview of the laws controlling the provision of private sector healthcare including industry and professional regulation, prohibited payment schemes, Bioethics, end-of-life issues, informed medical consent, and patient privacy. Offered concurrently with BUL 4602; graduate students will be assigned five review articles in the subject area and tested separately over this material. In addition, graduate students will be assigned a topic on legal issues in public health which they will present before the class for discussion. They will provide conclusions and recommendations related to this topic and defend their position.

BUL 5831  Commercial Law  
3 sh (may not be repeated for credit)  
Prerequisite: BUL 3130  
Study of selected topics in law pertaining to business transactions, business environment and associations, and financial securities.

**BUSINESS TEACHER EDUCATION** Courses

BTE 4401  Special Methods of Teaching Business Education  
4 sh (may not be repeated for credit)  
Provides opportunities to become proficient in using special methods and procedural activities in business technology education classes.

**CHEMICAL OCEANOGRAPHY** Courses

OCC 4002  Chemical Oceanography  
3 sh (may not be repeated for credit)  
Prerequisite: CHM 2045, CHM 2045L  
The chemical composition of the oceans and the physical, chemical, and biological processes governing this composition in the past and present. Topics covered include cycling of carbon, nitrogen, phosphorus, silicon, and oxygen, and processes of primary production, export production, remineralization, digenesis, and air-sea gas exchange.

OCC 4414  Global Biogeochemical Cycles  
3 sh (may not be repeated for credit)  
Prerequisite: CHM 2045, CHM 2045L  
The biogeochemical cycles of water, carbon, nitrogen, and sulfur; the atmosphere and oceans as reservoirs and reaction media; the fate of natural and artificial sources of carbon, nitrogen, and sulfur compounds; the interactions among the major biogeochemical cycles and global change; anthropogenic perturbation of the global carbon cycle and climate, greenhouse gases, acid rain and ozone depletion.

**CHEMISTRY** Courses

CHM 1020  Concepts in Chemistry  
3 sh (may not be repeated for credit)  
Introduces the non-scientist to current and critical issues in chemistry. Readings from popular science publications. Discussion on topics such as polymers, radioactivity, toxic chemicals, energy, etc. Registration for the corresponding lab is encouraged but not required. (General Studies Course: NS/LEC).

CHM 1020L  Concepts in Chemistry Lab  
1 sh (may not be repeated for credit)  
Prerequisite: CHM 1020  
Co-requisite: CHM 1020  
Introduction to laboratory safety, experimental techniques. Laboratory experiments on polymers, radioactivity, toxic chemicals, energy, etc. Material and supply fee will be assessed. (General Studies Course: NS/LAB) A grade of "C-" or higher is required in prerequisite courses.

CHM 1032  Fundamentals of General Chemistry  
3 sh (may not be repeated for credit)  
A one semester course presenting an introduction to the principles of general chemistry. Designed for students majoring in sciences other than biology and chemistry. Cannot be used to satisfy major requirements in chemistry or biology. (General Studies Course: NS/LEC).

CHM 1032L  Fundamentals of General Chemistry Laboratory  
1 sh (may not be repeated for credit)  
Co-requisite: CHM 1032  
Laboratory experiences illustrating the fundamental principles of CHM 1032. Students taking CHM 1032 concurrently are required to withdraw from CHM 1032L if they withdraw from CHM 1032. (General Studies Course: NS/LAB) A grade of "C-" or higher is required in prerequisite courses. Material and supply fee will be assessed.

CHM 2045  General Chemistry I  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 1105 or MAC 1140 or MAC 2311; all C- or better  
Chemical and physical properties, relationship between observables and concepts and the development of a theoretical framework. Topics will include atomic and molecular structure, theories of bonding, properties of the elements and periodicity. (General Studies Course: NS/LEC) A grade of "C-" or higher is required in prerequisite courses.

CHM 2045L  General Chemistry I Laboratory  
1 sh (may not be repeated for credit)  
Co-requisite: CHM 2045  
Introduction to laboratory safety, experimental techniques, graphing of data, chemical reactivity and separations, calorimetry and volumetric analysis. Material and supply fee will be assessed. Students taking CHM 2045 concurrently are required to withdraw from CHM 2045L if they withdraw from CHM 2045. (General Studies Course: NS/LAB) A grade of "C-" or higher is required in prerequisite courses.

CHM 2046  General Chemistry II  
3 sh (may not be repeated for credit)  
Prerequisite: CHM 2045 with C- or better  
Continuation of CHM 2045 with emphasis on chemical calculations and problem solving. Topics include thermodynamics, equilibria, kinetics and an introduction to transition metal complexes. (General Studies Course: NS/LEC) A grade of "C-" or higher is required in prerequisite courses.
CHM 2046L  General Chemistry II Laboratory
1 sh (may not be repeated for credit)
Prerequisite: CHM 2045L, CHM 2046
Co-requisite: CHM 2046
Experiments based on colligative properties, qualitative analysis, solution equilibria, kinetics, electrochemistry, radioactivity and synthesis. Material and supply fee will be assessed. Students taking CHM 2046 concurrently are required to withdraw from CHM 2046L if they withdraw from CHM 2046. (General Studies Course: NS/LAB) A grade of "C-" or higher is required in prerequisite courses.

CHM 2205  Fundamentals of Organic and Biochemistry Laboratory
3 sh (may not be repeated for credit)
Prerequisite: CHM 1032
Co-requisite: CHM 2205L
Terminal course in organic chemistry with biochemical applications. Nomenclature, reactions of functional groups, introduction to biochemistry. Cannot be used to satisfy major requirement in chemistry or biology. A grade of "C-" or better is required in prerequisite courses. Material and Supply fee will be assessed for corresponding lab.

CHM 2205L  Fundamentals of Organic and Biochemistry Laboratory
1 sh (may not be repeated for credit)
Prerequisite: CHM 2205
Co-requisite: CHM 2205L
Isolation, purification and synthesis, carbohydrates, amino acids, peptides and isoprenoids. Material and Supply fee will be assessed. Students taking CHM 2205 concurrently are required to withdraw from CHM 2205L if they withdraw from CHM 2205. A grade of "C-" or higher is required in prerequisite courses. Credit cannot be received for both CHM 2205L and CHM 2200L.

CHM 2210  Organic Chemistry I
3 sh (may not be repeated for credit)
Prerequisite: CHM 2046 with C- or better
Nomenclature, structure, fundamental reactions, mechanistic interpretation of reactions, and spectroscopy.

CHM 2210L  Organic Chemistry I Laboratory
1 sh (may not be repeated for credit)
Prerequisite: CHM 2046L and CHM 2210 with C- or better
Co-requisite: CHM 2210
Introduction to laboratory techniques in Organic Chemistry. Isolation, purification, and synthesis. Material and supply fee will be assessed. Students taking CHM 2210 concurrently are required to withdraw from CHM 2210L if they withdraw from CHM 2210. A grade of "C-" or higher is required in prerequisite courses.

CHM 2211  Organic Chemistry II
3 sh (may not be repeated for credit)
Prerequisite: CHM 2210 with C- or better
Nucleophilic and electrophilic substitution reactions, additions, eliminations, redox and rearrangement reactions, carbohydrates, amino acids, peptides, isoprenoids. A grade of "C-" or higher is required in prerequisite courses.

CHM 2211L  Organic Chemistry II Lab
1 sh (may not be repeated for credit)
Prerequisite: CHM 2210L, CHM 2211
Co-requisite: CHM 2211
Multistep synthesis, separation of mixtures, identification of unknown organic compounds by classical and spectroscopic techniques. Material and supply fee will be assessed. Students taking CHM 2211 concurrently are required to withdraw from CHM 2211L if they withdraw from CHM 2211. A grade of "C-" or higher is required in prerequisite courses.

CHM 3120  Analytical Chemistry
4 sh (may not be repeated for credit)
Prerequisite: CHM 2045 and CHM 2046
Fundamentals of quantitative chemical analysis; introduction to modern techniques. Material and supply fee will be assessed for corresponding lab. 8 sh of general chemistry required. A grade of "C-" or higher is required in prerequisite courses.

CHM 3120L  Analytical Chemistry Lab
0 sh (may not be repeated for credit)
Prerequisite: CHM 2046L
Co-requisite: CHM 3120
Fundamentals of quantitative chemical analysis; introduction to modern techniques. A grade of 'C-' or better is required in the prerequisite.

CHM 3230  Organic Chemistry III
3 sh (may not be repeated for credit)
Prerequisite: CHM 2210, CHM 2210L, CHM 2211 and CHM 2211L
Focuses on spectroscopic techniques used to understand the structure of molecules, stereochemistry and stereoselective syntheses. While most examples will arise from organic chemistry, structures of selected organometalics and inorganic complexes will be discussed. Concepts of resonance and aromaticity are presented as they impact on the structure of molecules. Use of Molecular Mechanics calculations is introduced. 8sh of organic chemistry required. A grade of "C-" or higher is required in prerequisite courses.

CHM 3400C  Basic Physical Chemistry
4 sh (may not be repeated for credit)
Prerequisite: CHM 2211, MAC 2312; either PHY 2048 or PHY 2054
A survey of the principles of Structure, Equilibrium, and Dynamics, applied to chemical systems. Includes experiments and other hands-on learning experiences.

CHM 3410  Physical Chemistry I
5 sh (may not be repeated for credit)
Prerequisite: CHM 2211, MAC 2312, PHY 2049, PHY 2049L. All with C- or better.
Properties of gases, kinetic theory, chemical thermodynamics, heterogeneous equilibria, electrochemistry. A grade of "C-" or higher is required in prerequisite courses.

CHM 3411  Physical Chemistry II
4 sh (may not be repeated for credit)
Prerequisite: CHM 3410
Atomic, molecular structure, spectroscopy, introduction to quantum theory and statistical mechanics. A grade of "C-" or higher is required in prerequisite courses.
CHM 3740L | Advanced Laboratory Techniques
2 sh (may not be repeated for credit)
Prerequisite: CHM 2211L, CHM 3230
Co-requisite: CHM 3230
Experimental work including advanced laboratory techniques for the synthesis and purification of organic, organometallic and inorganic complexes. Training in the use of instrumentation (chromatographic techniques, NMR, GC/MS, IR, UV-Vis, ORD/CD, etc.) for the purification and characterization of these materials. Students will be introduced to the use of the chemical literature, as well as record keeping and report writing. Material and supply fee will be assessed.

CHM 3741L | Physical Chemistry Laboratory
2 sh (may not be repeated for credit)
Prerequisite: CHM 3740L
Co-requisite: CHM 3411
Experiments with emphases on equilibria, kinetics and spectroscopy. Material and supply fee will be assessed.

CHM 3940 | Chemistry Internship
1 sh (may not be repeated for credit)
Placement in an appropriate chemical company for the purposes of gaining some experience in the field. Faculty and agency personnel will supervise as the student participates in a wide range of services available in the setting. Goals and objectives will be planned by the student, instructor and agency supervisor. Reports will be required on a regular basis with a final report. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

CHM 4130 | Instrumental Analysis
3 sh (may be repeated for up to 4.0 sh of credit)
Prerequisite: (CHM 3411 or CHM 3400C) and CHM 3120
Physical chemical methods of chemical analysis. Required lab. Material and Supply Fee will be assessed for corresponding lab. A grade of "C-" or higher is required in prerequisite courses. Offered concurrently with CHM 5134; graduate students will be assigned additional work.

CHM 4130L | Instrumental Analysis lab
1 sh (may not be repeated for credit)
Prerequisite: (CHM 3411 or CHM 3400C) and CHM 3120
Co-requisite: CHM 4130
Corresponding lab for Instrumental Analysis lab.

CHM 4455 | Introduction to Polymer Science
2 sh (may not be repeated for credit)
Prerequisite: CHM 2210, CHM 2210L, CHM 2211, CHM 2211L, CHM 3410 or CHM 3400C.
Co-requisite: CHM 4455L
Intended to introduce students to some of the major concepts Polymer Science: An Introduction to Macromolecules - Terms and Definitions; Structure and Bonding in Polymers; Step Growth Polymerization; Chain Growth Polymerization; Ionic Polymerization and Living Polymers; Copolymers; Chain Configurations, the Theta State and Chi Parameter; The Glass Transition Temperature; Biological Polymers; and Plastics Recycling.

CHM 4455L | Introduction to Polymer Science Laboratory
1 sh (may not be repeated for credit)
Prerequisite: CHM 2210, CHM 2210L, CHM 2211, CHM 2211L, CHM 3410 or CHM 3400C
Co-requisite: CHM 4455
Laboratory to accompany CHM 4455. Will provide fundamental laboratory skills in polymer synthesis and analysis. Material and supply fee will be assessed.

CHM 4611 | Inorganic Chemistry
4 sh (may not be repeated for credit)
Prerequisite: CHM 4611
The structure, reactivity, kinetics and reaction mechanisms of inorganic and organometallic compounds.

CHM 4610L | Inorganic Synthesis
1 sh (may not be repeated for credit)
Prerequisite: CHM 4611
Co-requisite: CHM 4611
Modern techniques in the synthesis, separation, purification and characterization of inorganic compounds. Material and Supply fee will be assessed.

CHM 4912 | Undergraduate Chemistry Research
2-4 sh (may be repeated for up to 8.0 sh of credit)
Prerequisite: CHM 3411 or CHM 3400C
Undergraduate research is conducted with a faculty advisor or mentor. The student’s research project is typically based on the faculty mentor’s research interests. The mentor meets regularly with the student to make research plans, assess risks associated with the proposed research, and review results. The student is encouraged to take primary responsibility for the project and to make substantial input into its direction. A formal written report or thesis is required upon completion of the course. Permission is required.

CHM 4930 | Seminar: Special Topics in Advanced Chemistry
3-4 sh (may be repeated for up to 7.0 sh of credit)
Prerequisite: CHM 3400C or CHM 3411
Will focus on advanced topics in chemistry that will extend the knowledge learned in the core chemistry courses. Specific topic will vary depending on instructor. Offered concurrently with CHM 5932; graduate students will be assigned additional work.

CHM 4931 | Seminars in Chemistry
1 sh (may be repeated for up to 2.0 sh of credit)
Prepares students for careers in chemistry. Seminars by visiting scientists, university faculty and students on current research in chemistry, professional ethics, hazard waste regulations, resume writing and job interview techniques. Graded on a Satisfactory/Unsatisfactory basis only.
CHM 5134  Instrumental Analysis  
4 sh (may not be repeated for credit)  
Prerequisite: CHM 3411 or CHM 3400C; and CHM 3120  
Co-requisite: CHM 5134L  
Physical chemical methods of chemical analysis. Required lab.  
Material and Supply Fee will be assessed for corresponding lab. A  
grade of "C-" or higher is required for all prerequisite courses. Offered  
concurrently with CHM 4130; graduate students will be assigned  
additional work.

CHM 5134L  Instrumental Analysis Lab  
0 sh (may not be repeated for credit)  
Prerequisite: (CHM 3411 or CHM 3400C) and CHM 3120  
Co-requisite: CHM 5134  
Physical chemical methods of chemical analysis. A grade of "C-" or  
higher is required for prerequisite courses. Offered concurrently with  
CHM 4130L; graduate students will be assigned additional work.  
Material and Supply Fee will be assessed.

CHM 5932  Seminar: Special Topics in Advanced Chemistry  
3-4 sh (may be repeated for up to 7.0 sh of credit)  
Prerequisite: CHM 3411 or CHM 3400C  
Will focus on advanced topics in chemistry that will extend the  
knowledge learned in the core chemistry courses. Specific topic will  
vary depending on instructor. Offered concurrently with CHM 4930;  
graduate students will be assigned additional work.

CHI 1100  Chinese Language I  
3 sh (may not be repeated for credit)  
An introduction to Mandarin, the official Chinese language. Designed  
for students with no previous knowledge of Chinese. Helps students  
obtain an adequate mastery of basic language skills in both spoken  
and written Chinese and develop a foundation for further study of the  
language.

CLP 3144  Abnormal Psychology  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 2012  
Broad overview of psychological disorders of children and adults  
including history of abnormal human behavior, research methods,  
theories and causes, and contemporary treatment. Typical topics  
include adjustment, mood, anxiety, somatoform, factitious, dissociative,  
substance-related, personality, and psychotic disorders (including  
schizophrenia).

CLP 4314  Health Psychology  
3 sh (may not be repeated for credit)  
Survey of contributions of the discipline of psychology to the promotion  
and maintenance of health and prevention and treatment of illness.  
Application of biopsychosocial model to health.

CLP 4390  Introduction to Forensic Psychology  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 2012  
This upper-level undergraduate course is designed to be an exciting  
and intellectually challenging introduction to the study of Forensic  
Psychology. Forensic Psychology deals with the interplay between the  
disciplines of psychology and law. Specifically, this class examines  
the legal system through the use of psychological concepts, methods,  
and research results. Although the course covers both criminal and  
civil aspects of the legal system, the primary focus will be on the role  
of psychologists in those areas pertaining to the criminal legal system.  
Class content focuses on theory but also has a strong experiential  
component as well. Specifically, the class learning experience  
culminates in the production of a Mock Trial.

CLP 5166  Psychopathology  
3 sh (may not be repeated for credit)  
Prerequisite: CLP 3144  
In depth analysis of child and adult psychological disorders focusing  
on practical application of the current diagnostic manual in developing  
diagnostic formulations. Emphasis on an integrative theoretical  
approach and the empirical foundation for theory, causes, and  
treatment of psychological disorders.

COM 3404  Nonverbal Communication  
3 sh (may not be repeated for credit)  
Prerequisite: SPC 3301  
Provides a comprehensive introduction to the role of nonverbal  
communication in the communication process, including major  
principles, theories, and research trends. Emphasis on observing and  
analyzing the functions of nonverbal communication in a variety of  
work and personal contexts.

COM 3948  Service Learning Field Study II  
1-3 sh (may be repeated for up to 4.0 sh of credit)  
Placement in community agency or other social organizational setting  
related to field of study. Supervision by faculty and agency. Students  
and faculty "customize" courses to fit a full range of services that are  
available in the setting. Student must be able to draw correlations  
between the discipline and field study. Journal and reflective  
experience paper are required. With the agreement of the student’s  
faculty sponsor, a minimum of 6-8 hours’ work per week must be done  
at the field site per semester hour of credit.

COM 4014  Gender and Communication  
3 sh (may not be repeated for credit)  
Examines the roles gender plays in managing diversity in the  
workplace, developing personal relationships and exploring mass  
media in contemporary culture. Comparative study of characteristics of  
masculine/feminine communication in conversation. Meets Multicultural  
requirement.
COM 4022  Health Communication
3 sh (may not be repeated for credit)
Provides an up-to-date overview of the health care industry, spotlighting communication issues in patient care, health care administration, public relations, human resources, health education, and the media. Includes coverage of diverse cultures and ethical considerations. A highly interdisciplinary course useful for students considering any type of career in the health care industry. Offered concurrently with COM 5025; graduate students will be assigned additional work.

COM 4103  Leadership Communication
3 sh (may not be repeated for credit)
Promotes leadership development through study of leadership theory and concepts and practical application of leadership laboratory experience. Based on a servant leader philosophy, focuses on building leadership competencies in interpersonal communication, public presentations, team building, working in multicultural environments, mentoring, problem solving and influence strategies used in interpersonal and public forums to bring about community and organizational change. Leadership skill-building opportunity to all participants.

COM 4110  Business and Professional Communication
3 sh (may not be repeated for credit)
Practical understanding of communication practices affecting the work place. Emphasis on managing work relationships, listening, organizational interviews, professional presentations, communication technologies and multi-cultural diversity.

COM 4120  Organizational Communication
3 sh (may not be repeated for credit)
Examines the dynamics of communicating within organizations and with stakeholders. Students analyze case studies of actual organizations and build skills related to teamwork, motivation, morale-building, leadership, decision-making, and more.

COM 4465  Conflict Management
3 sh (may not be repeated for credit)
Provides in-depth exposure to communication processes, strategies, and stages involved in conflict management and negotiation. Emphasis placed on application of competent communication behavior during conflict in personal and professional situations. Involves hands-on, student learning project wherein students act as facilitators to help other students resolve conflicts.

COM 4620  Communication Ethics
3 sh (may not be repeated for credit)
Guides students in examining ethical considerations in business and public life. Includes diverse ethical perspectives, critical methods of analysis, and greater awareness of the role ethics plays in everyday life.

COM 4940  Internship in Communication
1-3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: Senior standing, 2.7 overall GPA
Supervised field practicum in a communication-related position, to include advertising, broadcast and print journalism, telecommunications and film, organizational communication and public relations. Senior standing and a 2.7 overall GPA is required. Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.

COM 5005  Introduction to Graduate Studies in Communication
1.5 sh (may not be repeated for credit)
Designed to introduce graduate students to critical elements of graduate studies in communication. Central topics include mastering the basics of APA style, honing analytic writing skills related to the study of communication, instructional resources, academic integrity issues unique to communication, and the history of the communication discipline.

COM 5025  Health Communication
3 sh (may not be repeated for credit)
Provides an up-to-date overview of the health care industry, spotlighting communication issues in patient care, health care administration, public relations, human resources, health education and the media. Includes coverage of diverse cultures and ethical considerations. A highly interdisciplinary course useful for students considering any type of career in the health care industry. Offered concurrently with COM 4022; graduate students will be assigned additional work. Graduate standing is required.

COM 5206  Communication Training
3 sh (may not be repeated for credit)
Prepares students to design and conduct communication skills training for professionals. Emphasizes adult learning, conducting needs assessments, establishing training objectives, using communication technology and evaluating training efforts. Involves a hands-on student learning project in which students conduct needs assessments and present two-hour workshops for local professional organizations. Other majors must confer with instructor regarding comparable prerequisites. Offered Fall of every other year.

COM 5335C  Computer Mediated Communication
1.5 sh (may not be repeated for credit)
A seminar-style course covering practical and theoretical issues associated with how people use computers in their business, social, political, cultural, educational, and person activities. The approach is socio-psychological in nature, examining how communication technology is used to establish and expand personal identity, create interpersonal relationships and manage the tide of information represented by the Internet.

COM 5933  Special Topics in Communication
3 sh (may not be repeated for credit)
Designed to provide students with specialized knowledge in a particular field of communication such as organizational communication, media criticism, rhetorical criticism, or visual communication. Permission is required.

COM 6024  Emerging Topics in Health Communication
1.5 sh (may not be repeated for credit)
Highlights how communication issues in health care are interwoven with community well-being, civic life, professional development, and opportunities for collaboration and mutual gain. Topics may include health care reform, leadership in health care settings, patient and family satisfaction, privacy issues, and burnout among health professionals. Utilizes current research, theoretical foundations, and local health care experts to explore relevant and emerging issues. Uses health care case studies to develop effective leadership and strategic communication strategies.
Advanced political communication theory and current practice that focuses on consultancy-based political campaigning, government advocacy and public relations. Particular emphasis is on the critical analysis of advocacy texts and development of strategic plans for campaign communication.

COM 6027  Health Communication Leadership Project
3 sh (may not be repeated for credit)
Guides participants through the completion and implementation of a final project, building on the knowledge and skills acquired in other courses. Permission is required.

COM 6028  Health Communication Leadership Capstone
3 sh (may not be repeated for credit)
Prerequisite: COM 6312, MAN 5047, MAN 6156 and MAN 6285
A series of workshops aimed at helping students synthesize their experience in both the Health Communication Certificate courses and the Organizational Development Leadership courses. Permission is required.

COM 6129  Assessing Organizational Dynamics
3 sh (may not be repeated for credit)
Applying systems thinking to analyze the dynamics of communication within an actual organization. Emphasis on deep-level analysis to reveal who talks to whom, when, why, and about what. Goals are (1) to reveal communication patterns and assumptions that make it either easy or difficult to achieve high quality organizational production and (2) to help organizational members design processes that foster the creation of high-performance, high-capacity teams.

COM 6207  Advanced Communication Leadership
3 sh (may not be repeated for credit)
Based on a hands-on leadership project informed by the study of leadership communication theory, research, and case studies. Emphasis is on developing communication skills, strategy, and awareness to enhance leaders’ effectiveness. Permission is required.

COM 6210  Emerging Topics in Nonprofit Organizational Communication
1.5 sh (may not be repeated for credit)
Exploration of current communication issues and challenges facing today’s nonprofit organizations. Emphasizes the development of strategies to address these issues through case studies, course readings, and by studying the communication challenges of local nonprofit organizations.

COM 6312  Advanced Communication Research Methods
3 sh (may not be repeated for credit)
This course addresses the philosophy of scientific research including the origins, nature, and effects of communication processes. Focuses on both theoretical and applied research. Primary emphasis is on quantitative investigation and applied research. Primary emphasis is on qualitative investigation with some consideration of qualitative methods. Focus is on achieving a solid understanding of the strengths and weaknesses of different methodological approaches (i.e., experiments vs. surveys vs. interviews) in order to determine the most effective methods for research questions or hypotheses. Students are expected to have completed at least one introductory college level statistics course preceding enrollment in this course.

COM 6511  Emerging Topics in Political Communication
1.5 sh (may not be repeated for credit)
Advanced political communication theory and current practice that focuses on consultancy-based political campaigning, government advocacy and public relations. Particular emphasis is on the critical analysis of advocacy texts and development of strategic plans for campaign communication.

COM 6525  Strategic Communication
3 sh (may not be repeated for credit)
Provides a conceptual framework for strategic communication, sharpens analytical and critical thinking, and provides a unifying function for the Strategic Communication & Leadership Program. Addresses all aspects of the development and execution of communication programs. Offers "real world" experience through the analysis of case studies. Case studies and coursework will be drawn from the profit, non-profit, product, and service sectors. Particular attention will be paid to sociopsychological, legal, and ethical issues as they relate to the decision-making process.

COM 6625  Emerging Topics in Communication Law and Ethics
1.5 sh (may not be repeated for credit)
An advanced seminar covering legal issues such as the First Amendment, political speech, defamation, emerging technologies, and access to information; and ethical issues such as taste and editorial content.

COM 6930  Organizational Communication Project
1-6 sh (may be repeated for up to 6.0 sh of credit)
Advanced research project for a major corporate or organizational client. Working with a client organization, students will identify a problem for study, perform an extensive review of issues related to the project, develop several testable research questions or hypotheses about the problem, gather and analyze qualitative and/or quantitative data, and write an extensive report, including summary conclusions based on the study. May enroll for more than one term, minimum of 6sh required for M.A. degree. Graded on a satisfactory/unsatisfactory basis only. Permission is required.

COM 8980  Dissertation
1-6 sh (may be repeated for up to 18.0 sh of credit)
Prerequisite: Admission to candidacy and permission is required.
Designed specifically for students pursuing a Doctorate of Education degree at UWF and specializing in Social Sciences/Communication Arts. Involves in-depth study of communication theory and research, as guided by a major professor and doctoral committee. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

COMMUNITY PSYCHOLOGY Courses

CYP 6005  Community Psychology
3 sh (may not be repeated for credit)
Introduces the student to the field of community psychology which is the branch of psychology that seeks to understand relationships between environmental conditions and the development of health and well-being of all members of a community. Students will study the development of the field of community psychology and its theories and paradigms of research and action. Additionally, students will concentrate on the practice of community psychology.

CYP 6538  The Consultation Process
3 sh (may not be repeated for credit)
Addresses the historical roots of mental health consultation, basic concepts in mental health consultation, the consultation process, and the various types of mental health consultation. Considerable emphasis is given to working within public schools and consulting with outside agencies. Consultation is defined and contrasted to other helping relationships, and definitional issues are addressed. Includes a discussion of the skills and characteristics of the consultant, and ethical and legal considerations.
COMPARATIVE POLITICS Courses

CPO 2002  Comparative Politics
3 sh (may not be repeated for credit)
Examination of political processes and political institutions in selected foreign countries such as Britain, France, Germany, USSR, Japan and India. Methods of cross-national political analysis. (General Studies Course: SS/SOC) Meets Multicultural requirement.

CPO 3055  Dictatorships
3 sh (may not be repeated for credit)
The course will carry out a comparative analysis of dictatorships across time and space, with special attention paid to 20th century totalitarian regimes, including those of Hitler, Stalin, and Mao. The analysis will focus on some of the causes for the rise and fall of these dictatorships, their ruling personalities and methods, the costs imposed on their subject populations, and their long-term effects on the politics of their representative countries. The course will begin with selections from classic writings on tyranny from Plato, Aristotile, Suetonius, and Machiavelli. Then, using scholarly texts, novels, and films, we will examine historical cases from several continents, drawing parallels and contrasts across them.

CPO 3103  Politics of Western Europe
3 sh (may not be repeated for credit)
Political processes and institutions of selected European political systems. Meets Multicultural requirement.

CPO 3322  Cuba, Castro and the USA
3 sh (may not be repeated for credit)
The course will carry out an analysis of Cuban politics, domestically and in relation to the USA, from the outbreak of the Spanish-American War to the present, with special emphasis on the Castro era (i.e., 1959 to the present). The analysis will compare Cuba’s standard of living, nature and structure of standing before Fidel Castro seized power in the early years of the Cuban Revolution and at different times during his nearly 50-year reign. Some attention will be paid to how Cubans who came to the USA after Castro have fared, especially politically.

CPO 3513  Politics of the Far East-Japan and China
3 sh (may not be repeated for credit)
Political systems of China and Japan offer striking comparisons to each other and to the United States. They provide two non-Western cultural contexts within which some Western political ideas and institutions operate. Meets Multicultural requirement.

CPO 3614  Politics of Eastern Europe
3 sh (may not be repeated for credit)
This course follows the transition from communism to democratization through democratic consolidation in Eastern Europe. It explores the question: how democratic are they today, nearly a decade and a half after the collapse of communism? Emphasis is on the changes in post-Soviet states, their organization and political culture and identity, and contemporary issues. Several countries will be considered in greater depth, including Poland, the Czech Republic, Hungary, and East Germany. Specific issues will be addressed across Eastern Europe, including the communist legacy, economic development, interest group emergence, social problems, civil society challenges, and nationalism.

CPO 3773  Great World Leaders
3 sh (may not be repeated for credit)
Reviews ancient and contemporary theories of political leadership, contrasting leadership in democratic and dictatorial regimes in the context of case studies around the world, across continents and time periods. Meets Multicultural requirement.

CPO 4303  Politics of Spain, Portugal, and Latin America
3 sh (may not be repeated for credit)
The politics of Spain, Portugal, and the largest Latin American countries (Argentina, Brazil, Mexico) and, as time permits, other countries of particular concern to the United States. Meets Multicultural requirement.

CPO 4314  Democracies
3 sh (may not be repeated for credit)
Democratic theory and practices around the world. Types of transition, founding elections, and problems of democratic consolidation.

CPO 4792  Geopolitics
3 sh (may not be repeated for credit)
Exploration and study of patterns of conflict, geography, cooperation and change in world politics in the post-Cold war period; the examination of the creation of world order under anarchic conditions; and the study of religious, cultural, resources and economic crises in large portion of the world; which relates to the larger issue of state power and US national policy. Offered concurrently with CPO 5797 graduate students will be assigned additional work.

CPO 5797  Geopolitics
3 sh (may not be repeated for credit)
Exploration and study of patterns of conflict, geography, cooperation and change in world politics in the post-Cold war period; the examination of the creation of world order under anarchic conditions; and the study of religious, cultural, resources and economic crises in large portion of the world; which relates to the larger issue of state power and US national policy. Graduate students will be assigned a substantial research project from which they will lead the class on their specific subject. They will also lead their respective teams in the research of an international maritime case study to demonstrate the complexity of dealing with inter- national law. This course is dual-listed with CPO 4792.

CPO 6006  Seminar in Comparative Politics
3 sh (may not be repeated for credit)
Comparison and analysis of political systems, theoretical and empirical.

COMPUTER APPLICATIONS (FOR COMPUTER SCIENTISTS) Courses

CAP 3028  Introduction to Computer Game Programming (Graphic Symbols and Animations)
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
Design and implementation of various elements of computer game programming with popular commercial software. Includes creation and manipulation of graphics and text symbols which include masking, transformations, use of different types of animations such as frame by frame animation, shape tweening, motion tweening and streamline animation to promote visually attractive movie clips. Upon completion of the course, students will be able to design and develop an interactive adventure game.
CAP 4029   Game Programming 2  
3 sh (may not be repeated for credit)  
Prerequisite: CAP 3028
Design and implementation of various elements of 3D computer game  
programming with popular commercial software. Includes creation,  
motion, and rendering of 3D graphics and text symbols. Object  
oriented design of games, GUI for games, and role of finite state  
machines in game development will be discussed. A discussion on  
game modeling will also be included.

CAP 4033C   3D Modeling and Animation  
3 sh (may not be repeated for credit)  
Prerequisite: COP 2334 or COP 2253 or COP 2830
Introduction to basic principles of 3D modeling and animation.  
Students use popular commercial software to create 3D models and  
animation. Students will be introduced to aspects of 3D modeling  
and animation which include working with objects, models, textures,  
lighting, particle effects and rendering. Permission is required.

CAP 4053   AI Programming for Interactive Environments  
3 sh (may not be repeated for credit)  
Prerequisite: CAP 4601
Introduction to the use of AI programming for the development  
of interactive environments including games and educational  
environments. Fundamental AI implementation techniques including  
agent-based architectures, learning algorithms, and path-finding  
algorithms.

CAP 4601   Artificial Intelligence  
3 sh (may not be repeated for credit)
Introduction to Artificial Intelligence principles and techniques.  
Students will learn about core AI techniques for solving complex  
problems, including search strategies, knowledge-based techniques,  
and agent-based systems. Overview of AI topics such as intelligent  
agents, machine learning, as well as AI applications.

CAP 4710   Computer Graphics and Simulation  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2312, MAS 3105
This course provides foundational concepts in computer graphics  
and simulations that enable students to develop new interactive 2D  
and 3D computer visualizations. Students will be able to develop  
and evaluate their programs in state of the art computing and virtual reality labs at the School of Science & Engineering.

CAP 4770   Data Mining  
3 sh (may not be repeated for credit)  
Prerequisite: COP 4710 or COP 5725
Exposes students to data mining concepts and techniques and  
different data mining software. Covers data preprocessing and  
cleaning, concept hierarchy generation, attribute relevance analysis,  
association rule mining, decision tree induction, bayesian classification  
and prediction, and cluster analysis. Offered concurrently with  
CAP 4770; graduate students will be assigned additional work.  
Students who have taken CAP 4770 cannot earn credit for this course.

COMPUTER DESIGN/ARCHITECTURE Courses

CDA 3101C   Introduction to Computer Organization  
4 sh (may not be repeated for credit)  
Prerequisite: COP 2334 or COP 2253 or EEL 4834
Introduction to the organization and operation of a digital computer  
including the internal representation of data and instructions, processor  
design and execution along with bus and I-O subsystems and  
assembler language programming. The course will include several  
laboratory projects.

CDA 6415   Advanced Computer Systems  
4 sh (may not be repeated for credit)
Examines current advancements in computer hardware, the operating  
systems facilities required for those advances, and the programming  
practices needed to take advantage of them. Topics include pipelined,  
hyperthreaded and multicore processors, scheduling algorithms,  
memory, memory management, and nontraditional hardware. Permission  
is required.

COMPUTER ENGINEERING Courses

CEN 3031   Software Engineering I  
3 sh (may not be repeated for credit)  
Prerequisite: COP 2334 or COP 2253
Preparation of software planning, specifications, design, coding, testing  
and maintenance. Familiarization with the team approach to large  
software system development with an emphasis on the early part of the  
software lifecycle.

CEN 3032   Software Engineering II  
3 sh (may not be repeated for credit)  
Prerequisite: COP 3530C; CEN 3031 and CIS 3512
Small team development of different software components that are  
then integrated into a complete software system. Emphasis on the later  
part of the software lifecycle.

CEN 4053   Software Engineering Management  
3 sh (may not be repeated for credit)  
Prerequisite: CEN 3032
Reviews concepts and principles related to the management of  
software development and evolution projects.
CEN 4340C  IT Infrastructure Planning, Acquisition, and Integration
3 sh (may not be repeated for credit)
Prerequisite: COP 2334 or COP 2253 or COP 2830
A systematic examination of the hardware and software analysis and
design or information technology systems. Acquisition of assets for
integration into a new or existing infrastructure. Explores what makes
IT projects different from other types of systems and how the principles
and methods of system development can be integrated to define the IT
system. Topics include hardware and software system implementation,
information assurance, hardware and software catastrophe recovery,
hardware and software configuration management, software
license knowledge and monitoring, system hardware and software
infrastructure support, infrastructure environmental concerns, and data
and system integration.

CEN 4400  Introduction to Operations Research
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311 or MAC 2233; STA 2023 or STA 4321.
Introduction to methodology and mathematical techniques of
operations research, a scientific approach to problem solving and
decision-making for executive management. Topics include linear
programming, inventory theory, queuing theory, simulation and PERT-
CPM, with emphasis on computer application. Some experience with
computer programming is required.

CEN 4721  Human-Computer Interaction
3 sh (may not be repeated for credit)
Introduces students to the design of the interaction between people
and computers. It will give students insight and experience in key
issues of HCI design, and will sample different areas related to human-
computer interaction. In class and in discussion sections, students will
discuss issues and tradeoffs in interaction design, propose effective
designs, and evaluate alternative solutions to design problems.

CEN 4910  Undergraduate Computer Science Research
1-4 sh (may be repeated for up to 7.0 sh of credit)
Undergraduate research is conducted with a faculty advisor or mentor.
The student’s research project is typically based on the faculty
mentor’s research interests. The mentor meets regularly with the
student to make research plans, assess risks associated with the
proposed research, and review results. The student is encouraged to take
primary responsibility for the project and to make substantial input
into its direction. A formal written report is required upon completion
of the course. Permission is required.

CEN 5003  Software Engineering Foundations: Operating Systems
and Networks
3 sh (may not be repeated for credit)
Prerequisite: COP 5007
A course in the Software Engineering Foundation Series on principles/
concepts of modern operating systems and networks used in
developing high-quality software systems. Permission is required.

CEN 5915  Graduate Computer Science Research
1-4 sh (may be repeated for up to 4.0 sh of credit)
Graduate research is conducted with a faculty advisor or mentor. The
student’s research project is typically based on the faculty mentor’s
research interests. The mentor meet regularly with the student to make
research plans, assess risks associated with the proposed research, and review results. The student is encouraged to take
primary responsibility for the project and to make substantial input
into its direction. A formal written report is required upon completion
of the course. Can be used for research leading to master’s thesis.
Permission is required.

CEN 6015  Software Engineering Project
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: CEN 6064, CEN 6070, CEN 6075
Capstone course in the master’s program in Software Engineering. Normally students take 3sh in each of two consecutive semesters
for a total of 6sh. Focuses on the concepts of Software Engineering
Process and Software Process Maturity. Lectures and student
seminar presentations explore current best practices in these areas.
The team project normally involves maintaining and enhancing an
existing software system while following a detailed defined software
process. Teams usually consist of 12-15 students, with each team
member having different responsibilities as defined by the process.
Occasionally, special individual projects can be arranged, provided
that they are approved by the Department before the beginning of the
first semester of registration. Not open to CS specialization graduate
students. Permission is required.

CEN 6016  Software Engineering Process
4 sh (may not be repeated for credit)
Review of current topics and trends in software engineering. Prominent
software engineering approaches, methods, and processes (e.g.,
CMMI, Agile processes) are examined and compared. Culminates with
a detailed study of one specific software engineering process.

CEN 6027  Software Engineering Process Improvement
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016
This course examines concepts and methods related to performing
process improvement for improving the quality of software systems
developed/ maintained within organizations. Various process
improvement models will be considered with an emphasis on the
Capability Maturity Model Integration model.

CEN 6064  Software Design
4 sh (may not be repeated for credit)
Prerequisite: CEN 6016
Examination of the design principles/methodologies appropriate for
developing complex software systems. Goals include comparative
analysis of existing design methods, object-oriented design paradigms,
and the extensions of modern design techniques and principles to the
design of software with distributed implementations in mind.
CEN 6070  Software Testing and Verification
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016
Introduction to the main concepts and methods used to produce correct software. Focuses on software quality assurance through systematic software testing. Students learn to create test sets that exercise software to specified coverage standards and to conduct software inspections. Other verification and validation methods selected by the instructor are also introduced.

CEN 6074  Software Assurance and Security
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016
Concepts and principles related to developing and maintaining secure software systems with no exploitable vulnerabilities with high levels of integrity and reliability.

CEN 6075  Software Specification and Implementation
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016
Study of the concepts and importance of software specification as an essential stage in the development of a software product. Students learn to prepare software specifications using both formal specification techniques and informal text-based specifications that follow a standard model.

CEN 6095  Software Engineering Practice and Tools
4 sh (may not be repeated for credit)
Prerequisite: CEN 6016 COP 5007 CEN 5003
Practicum course simulating best practices used in the software industry for maintaining software systems. Emphasis on the use of modern software methods and tools. Permission is required.

CEN 6097  Introduction to the concepts and methods used to produce correct software. Focuses on software quality assurance through systematic software testing. Students learn to create test sets that exercise software to specified coverage standards and to conduct software inspections. Other verification and validation methods selected by the instructor are also introduced.

CEN 6074  Software Assurance and Security
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016
Concepts and principles related to developing and maintaining secure software systems with no exploitable vulnerabilities with high levels of integrity and reliability.

CEN 6075  Software Specification and Implementation
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016
Study of the concepts and importance of software specification as an essential stage in the development of a software product. Students learn to prepare software specifications using both formal specification techniques and informal text-based specifications that follow a standard model.

CEN 6095  Software Engineering Practice and Tools
4 sh (may not be repeated for credit)
Prerequisite: CEN 6016 COP 5007 CEN 5003
Practicum course simulating best practices used in the software industry for maintaining software systems. Emphasis on the use of modern software methods and tools. Permission is required.

Selected topics in computer software and engineering. Prerequisites will vary according to specific subject material to be covered.

COMPUTER ENGINEERING TECHNOLOGY Courses

CET 3135  Microcontroller Technology
3 sh (may not be repeated for credit)
Exploration of a wide range of topics in guiding students through real-time control software and interfacing, concentrating on applications of microcontroller.

CET 3135L  Microcontroller Laboratory
1 sh (may not be repeated for credit)
Prerequisite: MAC 1105
Co-requisite: CET 3135
Laboratory for CET 3135 Microcontrollers. Application of microcontrollers in various real-world settings.

CET 3450  Data Visualization
3 sh (may not be repeated for credit)
Students will develop skills to efficiently and effectively display data, using a variety of tools that can be used to prepare and present the data in visually compelling manners. Data visualization tools have wide applicability in a wide variety of settings and environments in documentation and presentations.

COMPUTER GENERAL STUDIES Courses

CGS 2060  Excursions in Computing
3 sh (may not be repeated for credit)
Explore and understand the role of computing in today’s highly technological world. Examine the effective and ethical use of computing technology to address general and specialized domains and practice project delivery deadlines involving this technology. Topics include: role of computing, recent advances in computer hardware, system software options, system connectivity, time management and presentation technology, tools for researching current technology, algorithms, and limits of computing ethics. (General Studies Course: NAT/LEC).

CGS 2060L  Excursions in Computing Lab
1 sh (may not be repeated for credit)
Computing experiments in a contemporary interactive environment. Experiments will reinforce the omnipresence of computing in society. General Studies Course (NS: LAB).

CGS 3183  Web Design for E-Commerce
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3324  Network Management and Design
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3184  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3184  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3184  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3184  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3184  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.

CGS 3184  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570 or CGS 3853
Introduces the student to the concepts and principles of designing software tools used in web applications for electronic commerce. The student will gain hands on experience in developing, manipulating, and implementing web tools for electronic transactions such as a web database and an electronic shopping cart.
CGS 3559  Exploring the Internet
3 sh (may not be repeated for credit)
Introduces the student to the Internet, using the Internet itself as the main source of information. Tools, including World Wide Web browsers, mail programs and other electronic devices will be presented and used. At the end of the course the student should be able to recognize the extent, capabilities, advantages, and problems involving the Internet. May not be taken for credit by CS/CIS majors.

CGS 3604  Applications of Information Technology
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570; either MAC 1105 or MAC 1140
Investigates current applications of information technology in business, scientific research, education, and media, and examines issues facing the information technology professional working in a variety of disciplines.

CGS 3853  Web Page Design
3 sh (may not be repeated for credit)
Techniques for the creation of web sites that are flexible, scalable, and that take advantage of the World Wide Web. Topics include: FTP, HTML tags and web servers. Requires some research and project development. May not be taken for credit by CS/CIS majors.

COMPUTER NETWORKS Courses

CNT 4007C  Theory and Fundamentals of Networks
3 sh (may not be repeated for credit)
Prerequisite: COP 2253 or COP 2334 or COP 2830
A functional systematic examination of the key components and theories of modern computer networks, including protocol stack, mobile networking, network security, multimedia networking and network management. Emphasizes the internet for studying network fundamentals and includes the use of tools to analyze network operations.

CNT 4014C  IT Administration
3 sh (may not be repeated for credit)
Prerequisite: COP 2253 or COP 2830
Introduction to principles behind design, installation, and support of organization’s LAN, WAN, network segment, intranet, or Internet, including maintenance of network hardware and software, and monitoring of network to ensure availability to system users. Topics include gathering of data to determine customer needs, identification, interpretation, and evaluation of system and network requirements and technical-management issues.

CNT 4403  Computer and Network Security
3 sh (may not be repeated for credit)
Prerequisite: COP 4610C or COP 4634C
Introduction to the concepts of computer and network security using currently available technology. Security analysis, physical threats, virus protection, system recovery, and encryption.

CNT 6107  Advanced Computer Networks
3 sh (may not be repeated for credit)
Prerequisite: STA 2023 or STA 4321; MAC 2233 or MAC 2311
Topics to be addressed include Local Area Networks (LANS), review of LANS Protocols, TCP/IP Suite and Data Networks. Overview of probability and stochastic processes, queuing analysis and self-similar traffic, high speed LANS, link-level flow and error control, routing and switching. Wireless and mobile communications, network security and gigabit ethernet.

COMPUTER PROGRAMMING Courses

COP 2253  Programming Using Java
3 sh (may not be repeated for credit)
Introduction to algorithms and object-oriented programming. Topics include object-oriented design and modeling, UML, encapsulation, inheritance, data types, GUI, control constructs, looping constructs, parameter passing, and arrays. Emphasizes developing fundamental programming skills and software engineering principles in the context of an object-oriented language.

COP 2334  Programming Using C++
3 sh (may not be repeated for credit)
Introduction to computers and algorithms. Programming in a high level language. Topics include structured programming techniques, procedural and data abstraction. Students will learn the fundamentals of developing coherent, expressive programs.

COP 2830  Script Programming
3 sh (may not be repeated for credit)
Introduction to the essential skills of programming with scripting. Topics include use and manipulation of variable, design and validation of forms, and writing scripts for systems calls and command line arguments.

COP 3014C  Algorithm and Program Design
4 sh (may not be repeated for credit)
An introduction to designing solutions to scientific problems. Emphasis on the use of basic programming constructs to create correct, efficient algorithms. Secondary focus on implementation of the algorithms using current procedural language. This course will include several laboratory projects.

COP 3022C  Intermediate Computer Programming
4 sh (may not be repeated for credit)
Prerequisite: COP 2253; and either MAC 2311 or MAC 2233
An intermediate course in object-oriented programming. Topics include object oriented modeling, algorithms, inheritance, polymorphism, input/ output, exception will be on issues of object-oriented design and good programming practices. Students entering this course are expected to have a solid knowledge of programming in the object-oriented paradigm. A supervised laboratory experience will accompany the intermediate computer programming course. Emphasis will be on developing skills in program design as a necessary prerequisite to effective implementation. The lab will provide active learning experiences in design and coding.

COP 3530C  Data Structures and Algorithms I
4 sh (may not be repeated for credit)
Prerequisite: COP 3014C
A first course in Data Structures and Algorithms. Topics will include traditional data structures with a major focus on design and analysis of algorithms and will include projects that stress mathematics and science.

COP 3665  iPhone/iPad Programming
3 sh (may not be repeated for credit)
Prerequisite: COP 2253 or COP 2334
Concepts and skills related to programming mobile devices, with specific emphasis on iOS devices—the iPad, iPhone and iPod Touch.
COP 3813  Internet Programming  
3 sh (may not be repeated for credit)  
Prerequisite: COP 2334 or COP 2253 or COP 2830  
An overview for design and implementation of various elements of programming for the Internet. Instruction in html, xml, and popular scripting languages to create sophisticated web applications that rest on the client/server architecture, culminating in Web services. The use of aesthetic elements such as CSS style sheets and quality graphics and audio files for Internet applications will be explored.

COP 4020C  Programming Languages  
4 sh (may not be repeated for credit)  
Prerequisite: COP 4534C and COP 4331C  
Programming language theory and practice, including language design and implementation, theoretical foundations, language translation, and exposure to variety of programming paradigms.

COP 4027C  Advanced Computer Programming  
4 sh (may not be repeated for credit)  
Prerequisite: COP 3022C  
The third course in the introductory programming sequence. Addresses advanced topics including multi-threaded programs, the basic of data structures, generic programming, basic client-server programming, XML and web-based applications. A supervised laboratory experience to accompany the advanced computer programming course. Emphasis will be developing skills in program design as necessary prerequisite to effective implementation. The lab will provide active learning experiences in design and coding.

COP 4173  Advanced Visual Basic Programming  
3 sh (may not be repeated for credit)  
Covers advanced concepts of visual programming. Students should have prior knowledge of Visual BASIC, Windows, Access/Oracle and e-mail. In addition, students should have knowledge of data structures such as arrays, records and files. Topics covered include, but are not limited to: Windows API and DLL functions, the application of VB with databases, and the creation and implementation of Active X. Senior standing is required.

COP 4331C  Object Oriented Programming  
4 sh (may not be repeated for credit)  
Prerequisite: COP 3530C  
Exploration of the fundamental ideas behind object-oriented programming, including encapsulation, inheritance, and polymorphis. Applications will focus on extracting objects from a problem domain, designing problem solutions based on message-passing between objects, and documenting object-oriented design. Implementations will be done in a current object-oriented language. Laboratory projects will implement object-oriented designs. The fundamental constructs for object-oriented designs and efficiency will be emphasized.

COP 4534C  Data Structures and Algorithms II  
4 sh (may not be repeated for credit)  
Prerequisite: COP 3530C  
A second course in Data Structures and Algorithms. Topics include mathematical properties of algorithms (complexity, correctness), heaps, height-balanced trees, graphs; greedy algorithms, dynamic programming, counting, and proof techniques pertaining to computational complexity. Emphasis on issues of correctness and efficiency. Students entering this course are expected to have a solid knowledge of programming.
COP 4814 Network-Centric Software Applications
3 sh (may not be repeated for credit)
Prerequisite: COP 4710, COP 4027C

An introduction to network-centric software systems with emphasis on architectures, technologies, and design and development of an application. Critical issues including interoperability and security. Topics include network protocols, the role of data in net-centric applications and web services as examples of interoperable network applications.

COP 4856 Distributed Software Architecture I
3 sh (may not be repeated for credit)
Prerequisite: COP 3530C

A first course in software aspects of distributed architecture, with emphasis on database integration and interoperability of distributed components.

COP 4857 Distributed Software Architecture II
3 sh (may not be repeated for credit)
Prerequisite: COP 4856

Continuation of Distributed Software Architecture I that emphasizes large-scale, distributed, enterprise-level systems. Includes comparative analysis of alternative software architectures, technologies, and their relationships to standards. Incorporates conceptualization, design, implementation, and testing of representative functionality for a distributed, multi-platform enterprise system.

COP 5007 Software Engineering Foundations: Java Programming
3 sh (may not be repeated for credit)

A course in the Software Engineering Foundations Series covering principles/concepts of Java Programming. How to apply principles/concepts in conjunction with principles of software engineering in order to design and develop object-oriented software systems.

COP 5725 Database Systems
3 sh (may not be repeated for credit)
Prerequisite: Any programming course

Introduction to database systems and database management system architectures. Various database models are discussed with emphasis on the relational model and relational database design. Case applications using fourth-generation languages, such as SQL are included. Offered concurrently with COP 4710; graduate students will be assigned additional work. Students cannot receive credit for both COP 5725 and COP 4710.

COP 5775 Database Administration
3 sh (may not be repeated for credit)
Prerequisite: COP 4710 or COP 5725

Database administration skills covering installation, configuration and tuning a database, administering servers and server groups, managing and optimizing schemas, tables, indexes, and views, creating logins, configuring permissions, assigning roles and performing other essential security tasks, backup and recovery strategies, automation and maintenance. Offered concurrently with COP 4723; graduate students will be assigned additional work. Students cannot receive credit for both COP 4723 and COP 5775.

COP 6025 Advanced Programming Languages
4 sh (may not be repeated for credit)
Prerequisite: COP 4020C

Theory and practice of programming language design. Topics include: advanced language constructs, an overview of parallel programming, formal specification of programming languages, the analysis/synthesis model of program translation, code optimization, and compiler construction tools. Students will design and implement a small programming language.

COP 6727 Advanced Database Systems
3 sh (may not be repeated for credit)
Prerequisite: COP 4710 or COP 5725

Advanced topics in database management systems will be covered, for example, further dependencies and higher normal forms, transaction processing, concurrency control, backup and recovery, indexing, replication, managing large databases, and contemporary issues and topics in databases.

COMPUTER SCIENCE AND INFORMATION SYSTEMS Courses

CIS 3020 Introduction to CIS
3 sh (may not be repeated for credit)
Prerequisite: Either EEL 4834 or the dual prerequisite of MAC 2311 and COP 2253

Introduction to computers and algorithms. Programming in a high level language. Topics include procedural abstraction, data abstraction, and structured/object oriented programming techniques, recursion and manipulating dynamic memory. Students will learn the fundamentals of developing coherent, expressive programs. May not be taken for credit by CS/CIS majors. Permission is required.

CIS 3512 Software Documentation
3 sh (may not be repeated for credit)
Prerequisite: ENC 1102

Introduction to major concepts of software documentation. Emphasis on construction of software system artifacts that support team development and evolution of software systems (e.g., memos, letters, project proposals, progress reports, requirements, specifications, design, test plans, test reports, project reports). MLA, APA, and LaTeX publication standards will be applied. Open to all majors (Gordon Rule course: Wrtg).

CIS 3949 Cooperative Education
1-2 sh (may be repeated for up to 4.0 sh of credit)

Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of director of Cooperative Education is required.

CIS 4340 Web Server Technologies
3 sh (may not be repeated for credit)
Prerequisite: COP 2253
Co-requisite: COP 4710

Introduction to web server technologies (representative technologies - ASP.net, ColdFusion), to develop web applications. Methods include user interfaces, database connectivity and interactivity and XML manipulation.
CIS 4361C  IT Security
3 sh (may not be repeated for credit)
Prerequisite: COP 2253 or COP 2830

Introduction to skills, knowledge, techniques, and tools required by information-technology security professionals. Topics include security and risk management, physical security, access control, cryptography, security architecture and design, security for networks and telecommunications, application security, and legal considerations.

CIS 4385  Cyber-Security Forensics
3 sh (may be repeated for up to 0.0 sh of credit)
Prerequisite: COP 3530C

Provides a foundation in forensic evidence collection from electronic devices and the implications of security to users and forensic examiners. Applicable laws; disk and file recovery; bit-stream images; volatile and persistent data; cryptography; privacy and anonymity; tools for collecting evidence and reporting results. Offered concurrently with CIS 5396; graduate students will be assigned additional work. Credit cannot be received in both CIS 4385 and CIS 5396.

CIS 5396  Cyber-Security Forensics
3 sh (may not be repeated for credit)
Prerequisite: COP 3530C

Provides a foundation in forensic evidence collection from electronic devices and the implications of security to users and forensic examiners. Applicable laws; disk and file recovery; bit-stream images; volatile and persistent data; cryptography; privacy and anonymity; tools for collecting evidence and reporting results. Offered concurrently with CIS 4385; graduate students will be assigned additional work. Credit cannot be received in both CIS 5396 and CIS 4385.

CIS 6971  Thesis
1-6 sh (may be repeated for up to 12.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

COMPUTER TECHNOLOGY AND SKILLS Courses

CTS 3159  End User Support
3 sh (may not be repeated for credit)
Prerequisite: COP 2334 or COP 2253 or COP 2830

An applied course pertaining to the usual activities that are involved in supporting end users of computers. Addresses the technical capabilities a support specialist needs and the "soft skills" necessary when dealing with clients. Topics include computer facility management, customer service skills, user needs analysis, installing and troubleshooting computer systems, help desk organization, product evaluation, and user training.

CTS 4348  Linux System Administration
3 sh (may not be repeated for credit)

Installation, configuration and maintenance of a modern open-source operating system in individual and corporate environments. Topics include installation planning and implementation; disk partitioning; single and dual booting; software configuration; client/server systems; users and groups; maintenance; security; and troubleshooting. Offered concurrently with CTS 5349; graduate students will be assigned additional work.

CTS 4817  Web Server Administration
3 sh (may not be repeated for credit)
Prerequisite: COP 2334 or COP 2253 or COP 2830

An overview of essential skills in web server administration. Topics include installation and configuration of client web servers, user creation and login authentication, configuration of applications, security, management of user permissions.

CTS 5349  Linux System Administration
3 sh (may not be repeated for credit)

Installation, configuration, and maintenance of a modern open-source operating system in individual and corporate environments. Topics include installation planning and implementation; disk partitions; single and dual booting; software configuration; client/server systems; users and groups; maintenance; security; and troubleshooting. Offered concurrently with CTS 4348; graduate students will be assigned additional work.
COMPUTING THEORY Courses

COT 3100C  Discrete Structures
4 sh (may not be repeated for credit)
Prerequisite: COP 2253; MAC 2233 or MAC 2311
Number systems, propositional logic, predicates, sets, functions, sequences, summations, algorithms, induction, recursion, graphs, trees, Boolean functions, languages and grammars, and finite state machines. Emphasis is on developing programming skills. May not be taken for credit by majors.

COT 3701C  Game Design
3 sh (may not be repeated for credit)
Introduction to basic principles of Game Design including history of game types, game interfaces, structure of games, importance of story line, dramatic elements, character development, conceptualizing a game, prototyping, play testing, fun and accessibility and game development life cycle.

COT 4420  Theory of Computation
3 sh (may not be repeated for credit)
Prerequisite: COP 3530C, MHF 3202
Theoretical foundations of computer science. Classification of formal languages, grammars, and automata. Parsing and recognition of syntactic expressions. Turing Machines and random access machines. Church-Turing thesis. Insolvability of the halting problem. Offered concurrently with COT 5205; graduate students will be assigned additional work. Credit cannot be received in both COT 4420 and COT 5205.

COT 5205  Theory of Computation
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202
Theoretical foundations of computer science. Classification of formal languages, grammars, and automata. Parsing and recognition of syntactic expressions. Turing Machines and random access machines. Church-Turing thesis. Insolvability of the halting problem. Dual-listed with COT 4420; graduate students will be assigned additional work. Students cannot receive credit for COT 5205 and COT 4420.

COT 5930  Computer Science and Software Engineering Seminar
3 sh (may not be repeated for credit)
A seminar-style course that provides graduate and advanced undergraduate students with exposure to material beyond the standard curriculum. Specific topics will be based on the interests of the students enrolled.

COT 6931  Computer Science Project
3 sh (may be repeated for up to 6.0 sh of credit)
Capstone course for Masters students who do not elect the thesis option. Normally taken for 3 credits in each of two consecutive semesters. Students will define and carry out a project that shows mastery of some topic in computing and produces some concrete product such as a report or a computer program. Students should not enroll until they have completed at least 12 semester hours of their graduate coursework. Permission is required.

CORRECTIONS Courses

CJC 4010  Punishment and Society
3 sh (may not be repeated for credit)
Basic analysis of correctional systems in the United States. Focus is on widely held conceptions of punishment, physical design and organizational structures of prison facilities, community based correctional options, the death penalty and the evaluation of correctional research. Other topics of interest include sentencing policy, key issues faced by prison administrators and prisoners as well as the role of the victim in corrections.

CJC 4167  Alternative Punishments
3 sh (may not be repeated for credit)
Introduces the student to the subject of alternative punishments including social, political, and economic conditions that have contributed to the development of alternative punishments. Identifies the types of alternative punishments and the effectiveness of such options. The needs of special offender populations for corrections alternatives are also explored.

CJC 6021  Penology
3 sh (may not be repeated for credit)
Classical and contemporary readings in corrections. Uses historical and philosophical contexts to critically assess contemporary correctional issues and introduces students to the importance of data-driven policy promoting critical evaluation and debate.

CREATIVE WRITING Courses

CRW 2001  Introduction to Creative Writing
3 sh (may not be repeated for credit)
Overview and introduction to three genres of creative writing: poetry, fiction, and creative nonfiction. Will be taught as part lecture/discussion and part writing workshop.

CRW 3110  Fiction Writing
3 sh (may not be repeated for credit)
Workshop in narrative fiction. Practice in developing plot and character and establishing point of view. Emphasis on writing for publication in specific markets.

CRW 3310  Poetry Writing
3 sh (may not be repeated for credit)
Workshop in writing poetry. Practice in traditional forms and extensive work in contemporary free verse.

CRW 3424  Playwriting
3 sh (may not be repeated for credit)
Playwriting is devoted to the analysis and creation of literary drama. Introduces the student to the dramatic elements of plot, scene, character development and motivation, and dramatic action through the study of established playwrights and plays. Students will also submit their own original creative work for discussion and analysis by the professor and class.

CRW 4211  Creative Non-Fiction
3 sh (may not be repeated for credit)
Writing workshop in which students explore the personal essay through the process of reading and writing about autobiography, travel, science, politics, and art.
CRW 6130  Workshop in Fiction Writing  
3 sh (may not be repeated for credit)
Writing, editing, and evaluating fiction. Students will be expected to write original publishable fiction and critique writing produced in class.

CRW 6236  Workshop in Creative Non-Fiction Writing  
3 sh (may not be repeated for credit)
Writing, editing, and evaluating original pieces of creative non-fiction.

CRW 6331  Workshop in Poetry Writing  
3 sh (may not be repeated for credit)
Writing, editing, and evaluating poetry. Students will be expected to familiarize themselves with both traditional forms and free verse. Permission is required.

CRW 6806  Workshop in Teaching Creative Writing  
3 sh (may not be repeated for credit)
The teaching of workshop methods used in poetry, fiction, and creative non-fiction writing classes. Emphasis on writing standards, resources, evaluation methods, publishing, and course planning.

CRW 6934  Special Topics in Creative Writing  
3 sh (may be repeated for up to 12.0 sh of credit)
A writing workshop with a central theme such as autobiography, nature writing, the persuasive essay, biography, or studies of place. Topics change each term. See department or instructor for specific topic.

CRIMINOLOGY AND CRIMINAL JUSTICE Courses

CCJ 2002  Survey of Crime and Justice  
3 sh (may not be repeated for credit)
Provides an introduction to the issues of crime and justice in the United States. Discusses the complexities of studying crime and evaluates the role of various criminal justice subsystems. (General Studies Course: SS/BEH).

CCJ 2948  Service Learning Field Study I  
1-3 sh (may be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student’s faculty sponsor, a minimum of 6-8 hours per week must be done at the field site per semester hour of credit. Permission is required.

CCJ 3014  Criminology  
3 sh (may not be repeated for credit)
Examines the causes, types, and patterns of crime in society. Major schools of thought and current research are introduced, compared, and contrasted in the study of crime and its social context.

CCJ 3024  American Justice System  
3 sh (may not be repeated for credit)
Introductory analysis of the American justice system. Structure, organization and process of the justice system, the roles and responsibilities of justice professionals, and the dynamics of the justice system in a democratic society.

CCJ 3060  Ethics and the Justice System  
3 sh (may not be repeated for credit)
Identification and analysis of ethical issues in the American justice system.

CCJ 3450  Criminal Justice Management and Organization  
3 sh (may not be repeated for credit)
Acquaints student with the basic management processes affecting criminal justice agencies, develops the student's ability to analyze management problems and apply effective interventions to those problems in police departments, courts, and corrections agencies.

CCJ 3654  Substance Abuse and the Offender  
3 sh (may not be repeated for credit)
Addresses the biological, psychological, and social elements of substance abuse and treatment for defendants within the criminal justice system. Provides a comprehensive critical analysis of the social and psychological issues of substance abuse including theories of causation and treatment.

CCJ 3666  Victimology  
3 sh (may not be repeated for credit)
The study of the interrelationships between crime, criminals, victims, and the criminal justice system. Areas of emphasis include victim’s rights, restorative justice, as well as the psychological, financial, and medical needs and problems of the victim.

CCJ 3678  Race, Gender, Ethnicity, and Crime  
3 sh (may not be repeated for credit)
Analysis of the demographic state of affairs in criminal justice in the United States. Designed to elicit discussion regarding the interrelationships between race, gender, ethnicity, and the criminal justice system. Meet Multicultural Requirement.

CCJ 3691  Sex Offenses and the Offender  
3 sh (may not be repeated for credit)
Comprehensive overview of psychological, sociological and legal issues related to sex offenses. Additionally, the sexual offenders and different typologies of the sex offender will be discussed.

CCJ 3948  Service Learning Field Study II  
1-3 sh (may be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student’s faculty sponsor, a minimum of 6-8 hours per week must be done at the field site per semester hour of credit. Permission is required.

CCJ 4026  Contemporary Issues in Criminal Justice  
3 sh (may not be repeated for credit)
Examines the nature and extent of crime in modern Western society. Emphasis placed on issues selected from, but not limited to, emerging patterns of violence, organized crime, white-collar crime, victimless crime, corruption, and those crime strategies deemed appropriate in a democracy.
CCJ 4036  Behavioral Science and the Law
3 sh (may not be repeated for credit)
Addresses topics in the field of forensic psychology, public policy and the law. Selected issues will include: competency to precede, insanity at the time of the alleged offense, malingering, psychopathy, domestic violence, prediction of violence, false confession/police deception, sexual violence, civil commitment, sexual predator laws, including the Jimmy Ryce Act.

CCJ 4075  Crime Analysis
3 sh (may not be repeated for credit)
Introduces students to the analytical processes of identifying crime trends and patterns, forecasting future events, identification of suspects and use of crime data to assist law enforcement officers. Also reviews other key concepts of investigative, intelligence and operational analysis.

CCJ 4107  Crime and Public Policy
3 sh (may not be repeated for credit)
An introduction to the public policy making process. Offers an overview of the formation, implementation, quantitative, and qualitative evaluation, and ethical aspects of policy making.

CCJ 4141  Restorative Justice
3 sh (may not be repeated for credit)
Introduces the philosophy of restorative justice. Students critically analyze and compare retributive justice with restorative justice. Explores various restorative justice methodologies and evaluation of those methodologies. Hands on instruction in the use of restorative practices will be given.

CCJ 4644  White Collar Crime
3 sh (may not be repeated for credit)
Considers the question “what is white-collar crime?” and the implications associated with enforcement of laws related to white-collar criminality, investigation and prosecution of such offenses and sentencing of white-collar offenders. Various forms of white-collar crime will be examined and illustrated through case studies and research, including estimates of cost, victim and offender profiles, and legal issues. Examines theoretical explanations for white-collar crime and questions of corporate liability.

CCJ 4700  Research Design in Criminal Justice
3 sh (may not be repeated for credit)
Designed to give students an understanding of the basic principles and practices of empirical research as they are practiced in criminal justice and to enhance students’ critical thinking skills with respect to criminal justice programs and proposals. (Gordon Rule Course: Wrtg).

CCJ 4931  Special Topics in Criminal Justice
3 sh (may be repeated for up to 12.0 sh of credit)
The study of special issues in criminal justice. Subject matter will vary each semester to reflect an in-depth study of particular issues (e.g. gangs) or fields of criminology (e.g. corrections and theories of punishment) being examined. This includes grounding course content in criminological theory, as well as related theoretical frameworks.

CCJ 4940  Criminal Justice Internship
1-6 sh (may be repeated for up to 9.0 sh of credit)
Internship in field of criminal justice intended to give field observation and experience. Permission of undergraduate coordinator and 3-6 sh career experience required. Graded on satisfactory/unsatisfactory basis only.

CCJ 5006  Criminal Justice Administration
3 sh (may not be repeated for credit)
Focuses on the principles of organization, administration, and function of criminal justice agencies. These agencies include law enforcement, the courts, and corrections. Includes an examination of management approaches and problems in criminal justice, including the planning and evaluation techniques and the use of information systems.

CCJ 5008  Criminal Justice Theory
3 sh (may not be repeated for credit)
Analyzes the theoretical perspectives associated with the policies, organizations, decisions, and operations of criminal justice systems, agencies, and individuals. Examines classical and contemporary research in criminal justice.

CCJ 5018  Crime and Public Policy
3 sh (may not be repeated for credit)
Analysis of various policy initiatives designed to reduce the level of crime. Applies elements of criminological theory and research methods to critically evaluate the effectiveness of policies.

CCJ 5496  Critical Analysis of Justice Administration
3 sh (may not be repeated for credit)
A detailed survey of the government agencies involved in the administration of the American criminal justice system. An overview of the processes of the justice system from entry to exit of criminal defendants. Evaluation of organizational performance in justice agencies and the critical analysis of the public policies they promulgate.

CCJ 5669  Race, Ethnicity, Gender, and Criminal Justice
3 sh (may not be repeated for credit)
Dissects the pervasive links between crime, justice, race, ethnicity, and gender. Analyzes the challenges posed by rendering justice in a multicultural society.

CCJ 6020  Criminal Justice and the Juvenile
3 sh (may not be repeated for credit)
Explores the nature and extent of juvenile delinquency. Topics related to the juvenile justice system and the process, such as juvenile waver to the adult court, diversion and deinstitutionalization, police interaction, and community intervention.

CCJ 6061  Criminological Theory
3 sh (may not be repeated for credit)
Examines criminological theories with emphasis on the origins and applications of relevant theoretical approaches to crime and criminally deviant behavior. Addresses theoretical concepts and propositions of most (though not all) of the major criminological theories, the related empirical research that has tested these theories, and the corresponding policy implications.

CCJ 6145  Restorative Justice
3 sh (may not be repeated for credit)
Examines the principles of restorative justice from a critical perspective. A restorative justice approach is utilized to gain insight into contemporary criminal justice practice and policies.

CCJ 6427  Issues in Contemporary Criminal Justice
3 sh (may not be repeated for credit)
An in-depth study of issues confronting 21st Century criminal justice systems. Topics include those associated with current events and controversies.
CCJ 6704  Research Methodology
3 sh (may not be repeated for credit)
Issues related to research methods and data analysis as they are applied in the field of criminal justice and criminology. What constitutes scientifically acceptable inquiry and how to conduct empirical research.

CCJ 6705  Analysis of Quantitative and Qualitative Data
3 sh (may not be repeated for credit)
Prerequisite: CCJ 6704
Methods and techniques for diagnostics, management, and analysis of data in both quantitative and qualitative nature. Statistical theory and research design issues along with hands-on computer experience using computerized statistical programs such as SPSS.

CCJ 6745  Policing and Society
3 sh (may not be repeated for credit)
Analysis of classical and contemporary readings that examine the unique position, organization, and challenges of policing a complex society. Also explores the future of policing.

CCJ 6910  Criminal Justice Area Paper
3 sh (may not be repeated for credit)
Prerequisite: CCJ 6704
Under the direction of the faculty, the student prepares a comprehensive analysis of a topic within criminal justice. The paper will include a critical and comprehensive review of the literature related to the chosen topic. The paper may include a research proposal and/or presentation of research findings.

CCJ 6930  Seminar: Special Topics in Criminal Justice
3 sh (may be repeated for up to 12.0 sh of credit)
Designed to provide students with specialized knowledge in a particular field of criminal justice such as juvenile justice/ corrections or on a cutting edge topic of relevance to criminal justice practitioners such as restorative justice or homeland security.

CCJ 7715  Applied Research Project II
3 sh (may not be repeated for credit)
Prerequisite: CCJ 6704 and CCJ 6910
Provides students the opportunity to implement the criminal justice research prospectus designed in CCJ 6910: Applied Research Project I. Students make a virtual or in-person presentation of the findings to the department faculty.

DANCE Courses

DAN 3744  Dance Fitness
3 sh (may not be repeated for credit)
Combines basic fitness and movement principles applied to movements in jazz dance and low-impact elements of ballet. Progressive daily knowledge and skills for dance learning and performance. Also provides the opportunity for students to enhance health and fitness through the medium of dance.

DANCE: EMPHASIS ON ACTIVITY Courses

DAA 1300  Ballroom Dance
3 sh (may not be repeated for credit)
This course is designed to teach beginner level ballroom dancing steps in the Foxtrot, Waltz, Jitterbug, Cha Cha, Tango, Merengue, Mambo, and the Charleston. In addition, the fitness benefits of social dance, the application of fitness to dance, and a brief history of each dance will be presented.

DAA 1520  Fitness Tap Dance I
3 sh (may not be repeated for credit)
A beginning level fitness tap dance class that focuses on building fitness through the use of tap dance and fitness techniques. Designed for the non-dancers, dancers and athletes.

DAA 2000  Dance Fundamentals
3 sh (may not be repeated for credit)
Dance foundation course for Music Theatre performance. Course focus is on the proper technique needed for dance in the theatre and will cover dance kinesiology, proper warm-up, and foundations of ballet and jazz dance.

DAA 2500  Jazz Dance I
3 sh (may not be repeated for credit)
Instruction and practice in beginning jazz technique comprising of several different jazz styles, basic dance terminology, dance history, and current status of jazz dance in society. Emphasis includes dance as a physical activity as well as an art form.

DAA 2750  Ballet Conditioning and Fitness I
3 sh (may not be repeated for credit)
A beginning level ballet technique class that focuses on building fitness through the medium of dance. Teaches the fundamentals of classical ballet, and is designed to strengthen and develop technique at a beginning level through barre and centre practice. Emphasis is on correct body placement and alignment, strength and flexibility, vocabulary, musicality and movement quality. Designed for non-dancers, dancers, and athletes.

DAA 2751  Modern Dance for Conditioning
3 sh (may not be repeated for credit)
Introduces the student to the principles of modern dance techniques. Emphasis is on correct placement and body alignment, strength and flexibility, movement vocabulary, rhythmic and creative skills.

DAA 2754  Dance Styles I
1 sh (may be repeated for up to 2.0 sh of credit)
Prerequisite: DAA 2000
Dance styles for the music theatre student in the area of ballet and classical forms of dance.

DAA 2755  Dance Styles II
1 sh (may be repeated for up to 2.0 sh of credit)
Prerequisite: DAA 2000
Dance styles for the music theatre student in the area of modern dance, jazz, and tap.

DAA 2756  Dance Styles III
1 sh (may be repeated for up to 2.0 sh of credit)
Prerequisite: DAA 2000
Dance styles for the music theatre student in the area of non-western dance.

DAA 3360  Irish Step and Ceili Dancing I
3 sh (may not be repeated for credit)
Beginner level soft-shoe class in Traditional Irish Step and Ceili Dancing. A Basic Reel (solo style step dancing) and 2-3 Ceili dances will be taught. The history of Irish dance will be explored.
DEVELOPMENTAL PSYCHOLOGY Courses

DEP 2004 Human Development Across the Lifespan
3 sh (may not be repeated for credit)
Survey of major themes and recent findings in the area of human development across the life span. Emphasis will be on the major transitions from fetal development through death in the physical, cognitive, social, and emotional domains. The impact of ethnic, gender, and cultural factors on development will be examined. (General Studies Course: SS/BEH).

DEP 3103 Child Development
3 sh (may not be repeated for credit)
Development and behavior of children from infancy to adolescence from two viewpoints: age periods (prenatal, infancy, preschool, school) and areas (physical, intellectual, personality, etc.).

DEP 4305 Psychology of Adolescence
3 sh (may not be repeated for credit)
Social, emotional, biological, and intellectual elements of adolescence. Addresses the transitions from childhood to adolescence and from adolescence to adulthood. Application of theories is stressed. Option for partial credit via field experiences.

DEP 4404 Adulthood and Aging
3 sh (may not be repeated for credit)
Physiological, psychological, sociological and economic aspects for young, middle and old adulthood presented within a multidisciplinary perspective. Lifespan objectives are emphasized, including development as a life-long process, with multiple determinants of change, and correspondingly, multiple alternatives for change. Successful aging is also emphasized.

DEP 4798L Laboratory in Child and Adolescent Development
1 sh (may not be repeated for credit)
Prerequisite: DEP 4305
Co-requisite: DEP 3103 or DEP 4305 (or as prerequisite)
Students will apply knowledge acquired in the Child Development and/or Psychology of Adolescence courses to develop research strategies that take into consideration the unique challenges in conducting research with children and adolescents. Use of archived data for exercises with opportunities to develop observation and analysis skills.

DEP 5055 Developmental Psychology
3 sh (may not be repeated for credit)
Representative theories of development; methodological issues in developmental research; study of research knowledge in selected areas of developmental psychology. One undergraduate or graduate course in the area of developmental psychology is required.

ECONOMIC PROBLEMS AND POLICY Courses

ECP 3301 Principles of Environmental Economics
3 sh (may not be repeated for credit)
A first course in economics that provides students with the fundamentals of microeconomics and macroeconomics with a structured focus on environmental and natural resource issues. The principles of economics are developed using examples and cases that are directed at environmental policy issues and natural resource decision making. Available to non-business majors only.

ECP 4160 Economic Demography and Aging Markets
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 or ECO 3003
Uses basic models and theories from principles of economic classes to analyze the economic aspects of aging. Topics include the following: causes of an aging society; economic implications of an aging population on younger as well as older persons; dependency ratios; wealth, labor markets and the decision to work in old age; analysis of the role of private and public pension/annuity systems (including Social Security) on the economic status of older adults; and the role of intergenerational transfers and bequests on retirement decisions. Offered concurrently with ECP 5162; graduate students will be assigned additional work.

ECP 4302 Environmental Economics and Policy
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023 or ECO 3003.
Involves the student in the study of a broad range of environmental problems and the appropriate analysis of policy responses. Specific environmental issues include declining urban air quality, global warming, the effect of development on water systems and contamination from waste disposal systems. Traditional environmental regulations and policies are analyzed and contrasted with current, cutting-edge policies aimed at improving the environment.

ECP 4314 Natural Resources Economics
3 sh (may not be repeated for credit)
Prerequisite: ECO 2023
The impact of human activity on the natural world raises a myriad of issues for society. Efficient management of our natural resources requires understanding of both economic and physical factors. Decisions on resource use affect everyone, with impacts that may come immediately or in the future. This course uses economic tools to analyze those decisions and the resulting impacts. Methods developed in the first part of the course are used to examine applied problems in selected areas such as mineral extraction, energy, forestry, fisheries, water, agriculture, outdoor recreation, wildlife management, and biodiversity.

ECP 4413 Industrial Economics
3 sh (may not be repeated for credit)
Prerequisite: ECO 2023
Covers economic aspects of the behavior of firms in the United States including degree of concentration, price discrimination, competitive practices, strategic behavior, and regulated industries. The material covered will help students to understand how firms can continue to maintain high profits, how competition might lead to concentration, and how the government serves as a regulator in the economy.
ECP 4613 Urban and Regional Economic Development
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023 or ECO 3003.
Contemporary urban and regional issues such as crowding, congestion, pollution and crime have long been the subject of political, moral and social debate. In order to understand and work towards solutions to these problems a command of economic theory and its relevant applications is essential. Takes simple economic principles and applies them to these pressing social issues including those found in the Gulf Coast area of Northwest Florida. In each case, various alternative solutions are discussed in the context of scarcity of resources, a fundamental principle of economics.

ECP 4703 Managerial Economics
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023 or ECO 3003.
Develops tools of economic analysis in operating a business firm, including applied microeconomic tools designed to aid decision makers in pricing, reducing firm costs and identifying areas for firm expansion.

ECP 5162 Economic Demography and Aging Markets
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 or ECO 3003
Uses basic models and theories from principles on economics classes to analyze the economic aspects of aging. Topics include the following: causes of an aging society; economic implications of an aging population on younger as well as older persons; dependency ratios; wealth, labor markets and the decision to work in old age; analysis of the role of private and public pension/annuity systems (including Social Security) on the economic status of older adults; and the role of intergenerational transfers and bequests on retirement decisions. Offered concurrently with ECP 4160; graduate students will be assigned additional work.

ECP 6705 Advanced Managerial Economics
3 sh (may not be repeated for credit)
Prerequisite: QMB 6305
Concepts of competition as they relate to business management policies and practices; profit goals and measurement problems; multiple product policy; demand analysis; cost concepts; pricing problems; case studies. Contains a portfolio project.

ECONOMICS Courses

ECO 2013 Principles of Economics Macro
3 sh (may not be repeated for credit)
Introduction to economics with emphasis on the study of aggregate economic activity, national income, price level determination, and economic growth and development. (General Studies Course: SS/SOC).

ECO 2023 Principles of Economics Micro
3 sh (may not be repeated for credit)
Introduction to economics with an emphasis on the determination of prices in the market economy and their role in allocating commodities and economic resources to various users. Study of market structure and efficiency. This course is recommended to be taken after ECO 2013.

ECO 3003 Principles of Economic Theory and Public Policy
3 sh (may not be repeated for credit)
Survey and analysis of contemporary economic theory and public policy. Available to non-business majors only.

ECO 3101 Intermediate Microeconomics
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023 or ECO 3003.
Economic activity of individual economic units as consumers, resource owners and business firms. Analysis of consumer motivation as the basis of demand theory. Study of how business firms determine what to produce, how to produce at least cost, how to maximize profits, and how to distribute products. Monopoly, oligopoly, imperfect competition, and the different market conditions for resources are studied to present how the optimum use of each resource is determined by the firm.

ECO 3203 Intermediate Macroeconomics
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023 or ECO 3003.
National income accounts. Aggregate supply and demand functions. Savings and consumption functions. The multiplier, the accelerator, marginal efficiency of capital, and determinants of interest rate. Problems of growth and full employment.

ECO 3223 Money and Banking
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023
Monetary and financial systems of the United States; organization and function of financial institutions including the Federal Reserve System; problems of money, prices, interest, credit, national income, and employment; international finance; recent monetary and financial trends.

ECO 4401 Introduction to Mathematical Economics
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023
Links basic mathematical tools with topics in economics. It provides illustrations of the use of those tools in analyzing practical problems faced by households and firms in making economic decisions.

ECO 4431 Business and Economic Forecasting
3 sh (may not be repeated for credit)
Prerequisite: STA 2023, ECO 2013 and ECO 2023 or ECO 3003
Provides the student with alternative forecasting techniques with applications to processes that occur in business and economics. Students will learn what are the typical forecasting problems in business and economics, what are the tools that can be used for forecasting purposes, how these tools are used in practice (the mechanics), and how they are applied to particular business and economic problems (the application). Concentrates on conditional forecasts using econometric models and time series models including smoothing methods and Box-Jenkins ARIMA models.

ECO 4704 International Trade and Commercial Policy
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023 or ECO 3003.

ECO 4941 Economics Internship
1-6 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ECO 2013 and ECO 2023
Supervised field practicum in economics related position. May include activities in one or more functional areas of economics (research, forecasting, business cycles, money & banking, labor, etc.). Graded on satisfactory/unsatisfactory basis only. A 3.0 GPA in major course(s) and permission is required.
**EDUCATION: CAREER/TECHNICAL Courses**

ECT 3004  Principles of Career and Technical Studies  
4 sh (may not be repeated for credit)  
Provides an opportunity to develop philosophy of career and technical studies through the understanding of basic concepts and principles underlying education of occupational competency.

ECT 3183  Course Construction for Career and Technical Training  
3 sh (may not be repeated for credit)  
Organization of instruction for career and technical teaching. Evaluation of career and technical philosophy in determining objectives and constructing course materials in career and technical studies programs.

ECT 3367  Career and Technical Instructional Evaluation  
3 sh (may not be repeated for credit)  
Testing and evaluating career and technical instruction. Methods of evaluating student progress in all levels of career and technical instruction; emphasis on principles, preparations, administration, and evaluation of picture, performance, oral, and written exams.

ECT 3945  Supervised Field Problems  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Problems in industrial-vocational environment through arrangement by assigned instructor.

ECT 4380  Special Methods in Career and Technical Studies  
4 sh (may not be repeated for credit)  
Provides opportunity to become proficient in using special methods and procedural activities in career and technical studies classes.

ECT 4560  Selection and Guidance of Career and Technical Studies Students  
3 sh (may not be repeated for credit)  
Methods of selecting and guiding students into career and technical education programs. Emphasis on career selection and placement procedures.

ECT 4562  Introduction to Career and Technical Special Needs Education  
3 sh (may not be repeated for credit)  
Introduces historical evolution, legislative development and instructional methodologies in career and technical special needs education.

ECT 4930  Seminar  
3 sh (may not be repeated for credit)

ECT 5266  Administration and Supervision of Career and Technical Education Programs  
3 sh (may not be repeated for credit)  
Administration and supervisory functions in creating new programs and maintaining existing programs to adequately serve community needs in career and technical and adult education programs.

ECT 5295  Curriculum and Staff Development for Career and Technical Education Programs  
3 sh (may not be repeated for credit)  
Curriculum development procedures for community career and technical and adult education needs; procedures for selecting faculty and support personnel for staffing curricula; and procedures for conducting effective pre-service and in-service staff development programs.

ECT 5566  Career and Technical Special Needs Education  
3 sh (may not be repeated for credit)  
Historical developments, legislation, instructional strategies and problems associated with instructing special needs students in career and technical studies related environments.

ECT 6669  Trends and Issues in Career and Technical Education  
3 sh (may not be repeated for credit)  
Basic philosophical and curricula trends and issues in career and technical education at the international, national, state, and local levels.

ECT 6970  Thesis  
1-6 sh (may be repeated for up to 8.0 sh of credit)  
Design, research, and presentation of a master’s thesis under the direction of the faculty committee. Graded on a Satisfactory/Unsatisfactory basis only.

**EDUCATION: CAREER/WORKFORCE Courses**

ECW 4310  Strategies for Planning and Operating Health Occupations Education  
4 sh (may not be repeated for credit)  
Developing strategies and teaching techniques for planning and operating health occupations education programs.

ECW 5265  Coordination and Management of Cooperative Career and Technical Education Program  
3 sh (may not be repeated for credit)  
Establishing and managing cooperative and specialized programs. Emphasis on promotion of school, community, and employment relationships.

ECW 5465  Bio-technology and Medical Technology Assessment  
3 sh (may not be repeated for credit)  
Focuses on technology assessment including project-based and problem-based learning, medical, and bio-related technologies. Prepares teachers to be able to teach and assess standards based student outcomes. Content focus is agricultural, medical, and biotechnology design, use, and societal issues.

ECW 6165  Integrated Curriculum  
3 sh (may not be repeated for credit)  
Classroom instruction and student engagement as it applies to learning and research.

ECW 6561  Selection and Guidance of Career and Technical Studies  
3 sh (may not be repeated for credit)  
Concentrates on the achievement of skills used by teachers as they gather student data, confer with students and help them plan for employment or further education.
ECW 6695  School Involvement and Community Relations
3 sh (may not be repeated for credit)
Career and Technical Studies as a part of the community implications for industrial, labor, and community relations; school-community/employee-employer relationships; interpreting career and technical programs to the public; role of the career and technical administrator/teacher. Evaluation of related activities.

EDUCATION: EARLY CHILDHOOD Courses

EEC 3204  Introduction to Early Childhood Education
3 sh (may not be repeated for credit)
Prerequisite: EEC 3704
Basic curriculum principles and the role of the teacher in education of children from infancy to eight years of age. Observation/participation in early childhood education settings.

EEC 3704  Right From The Start: Education of the Developing Young Child
3 sh (may not be repeated for credit)
Designed for the education major, this course has as its focus educational implications of the total development of children, prenatal through early childhood. Typical and atypical development is addressed from three viewpoints: Age period (pre-natal, infancy, toddler, pre-school, and early elementary), developmental domain (i.e., physical, social, emotional, and cognitive), and educational applications at each age and domain.

EEC 3731  Health/Nutrition/Safety
3 sh (may not be repeated for credit)
Designed to prepare pre-professionals to function skillfully and effectively as teachers/care givers in providing health, safety, and nutritional needs of the young child. Focuses on providing a sound knowledge base in each of the three areas of emphasis and then developing competence related to each one.

EEC 3940  ICFE I - Integrated Curriculum/Field Experience
3 sh (may not be repeated for credit)
Introduces professionals to the myriad service delivery systems of the Early Childhood professional. Students' understanding of the role of inter-agency outcomes related to collaboration and transdisciplinary service delivery models will be developed. In addition, skills dispositions necessary for effective teaming will be developed.

EEC 3941  ICFE I - Practicum
1 sh (may be repeated for up to 4.0 sh of credit)
Co-requisite: EEC 3940
Students will be provided with opportunities to observe and participate in varied service delivery systems including home based, center based, and hospital based serving young children and their families. Minimum of 35 hours; includes seminar, observing, collaborating with early childhood professional in the work setting, and individual project. Graded on satisfactory/unsatisfactory basis only.

EEC 3942  Field Experience 1
3 sh (may not be repeated for credit)
Prerequisite: EDF 3234
This field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 50 hours in a field placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficiency - (LEP), and students at risk for school failure.) Graded on a Satisfactory/Unsatisfactory basis only.

EEC 4302  ICFE III - Integrated Curriculum/Field Experiences
3 sh (may not be repeated for credit)
Seminar with field experience in the Early Childhood Minor. Content includes a focus on the understandings, skills and knowledge bases associated with application of developmentally appropriate practices in early childhood settings. Emphasis is on planning and implementing an integrated approach to curriculum and assessment/evaluation of children and processes related to the development of young children in a variety of settings is required.

EEC 4604  Child Guidance and Classroom Management
3 sh (may not be repeated for credit)
Provides a comprehensive knowledge base concerning child and classroom management. Areas of emphasis include roles of various personnel, organization of the environment to promote appropriate behavior, strategies to develop appropriate behavior and motivation, and related record keeping techniques.

EEC 4613  Assessment and Evaluation for Young Children
3 sh (may not be repeated for credit)
Provides a comprehensive knowledge base concerning assessment of young children. Areas of emphasis include development of skills in selection, use, and interpretation of developmentally appropriate formal and holistic instruments and procedures, measurement terms and principles, procedures, and legal requirements for record keeping, use of technology in assessment, and managing an assessment team.

EEC 4943  Field Experience 2
3 sh (may not be repeated for credit)
Prerequisite: EEC 3942, TSL 4080
This clinical field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 75 hours in a field placement, with 25 hours devoted to an ESOL placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficiency - (LEP), and students at risk for school failure.) Graded on a Satisfactory/Unsatisfactory basis only.
EEC 6263  Integrated Curriculum Development and Instruction/Early Childhood Education
3 sh (may not be repeated for credit)

Basis and techniques for making curriculum decisions, survey of curriculum content and programming appropriate for children three to eight years of age; clinical and field-based involvement with development and implementation of practices consistent with diagnostic/prescriptive teaching through individualized instruction. At least one course in early childhood education is required.

EDE 6305  Practical Applications and Issues in Classroom Management: Primary Education
3 sh (may not be repeated for credit)

Analyze professional literature focused on best practices and ecological variables associated with teacher and student behavior and perceptions to develop practical responses and individual best practices for primary classroom management. Develop a knowledge base of classroom management practices and applications for individual, small group and large group in student respective grade level or educational settings.

EDUCATION: ELEMENTARY Courses

EDE 3942  Field Experience I
3 sh (may not be repeated for credit)
Prerequisite: EDE 4200, EDF 3234
Co-requisite: EDE 4200

This field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 100 hours in a field placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficient - (LEP), and students at risk for school failure.) Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

EDE 3948  Service Learning Field Study I
1-3 sh (may be repeated for up to 4.0 sh of credit)

Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.

EDE 4200  Planning and Curriculum I
3 sh (may not be repeated for credit)

Designed to assist students to learn basic planning and instructional skills in preparation for teaching. Course also includes essential mathematics skills requisite to the Florida Teacher Certification Exam. Students will implement the knowledge gained through lower division content-specific courses and prepare for the methodological courses in the teacher education program.
EDE 6206  Integrated Curriculum and Instruction/Elementary Education
3 sh (may not be repeated for credit)
An advanced curriculum course for graduate elementary level education students. Format is a combination of classroom instruction and student engagement focusing on integration of the content areas and a project in which the student applies learning and conducts research. The emphasis of instruction is integration, best practices in the content areas, accomplished practices in teaching, contextual learning, constructivism, cooperative learning, interdisciplinary instruction, mental habits, multiple intelligences, Sunshine State Standards, and assessment strategies.

EDE 6268  School Involvement and Community Relations
3 sh (may not be repeated for credit)
Techniques and strategies for developing and implementing effective home, school, community involvement programs at the elementary level. Emphasis will be placed on materials and techniques for communicating effectively with families from a variety of cultural backgrounds and the implications for industrial, labor and community relations as they impact the elementary level.

EDE 6305  Graduate Kodaly Method
3 sh (may not be repeated for credit)
Offers the student the opportunity to study the Kodaly Method of teaching elementary students. The course will take an in-depth look at training young singers using the Kodaly Method and will include a brief history of the method and an update on current practices. Permission is required.

EDE 6482  Research Practicum
3 sh (may not be repeated for credit)
Prerequisite: EDG 5366
Identification of a problem in the area of Elementary Education review of pertinent literature and preparation of a proposal with all the necessary information, evaluation and written report of the results. Students successfully completing this course will be allowed to register for Action Research.

EDE 6506  Classroom Management for Elementary Environments
3 sh (may not be repeated for credit)
Provides an in-depth understanding of the interactions among the social, emotional, and cognitive characteristics of the pre and early adolescent and effective management of elementary classroom student and behavior.

EDE 6521  Practical Applications and Issues in Classroom Management: Elementary Education
3 sh (may not be repeated for credit)
Analyze professional literature focused on best practices and ecological variables associated with teacher and student behavior and perceptions to develop practical responses and individual best practices for elementary classroom management. Develop a knowledge base of classroom management practices and applications for individual, small group, and large groups in student respective grade level or educational setting.

EDE 6911  Action Research
3 sh (may not be repeated for up to 6.0 sh of credit)
Prerequisite: EDE 6482
Implementation of proposal prepared in Research Practicum including identification of a problem in the area of Elementary Education, review of pertinent literature and preparation of a proposal with all the necessary information, conducting research in a professional manner, evaluation and written report of the results. Graded on a satisfactory/unsatisfactory basis only.

EDE 6941  Graduate Methods/ESOL/Reading Practicum: Elementary Education
3 sh (may not be repeated for credit)
Implementation of a well-researched teaching approach not previously used by the candidate; maintenance of a log to indicate adaptations required and conclusions drawn about the impact of the new approach on pupil’s achievement; a professionally written report stating the approach used, the goal of the practicum, a brief review of related literature, a summary of the practicum experiences and a statement of the conclusions reached about methods, ESOL and reading strategies is included.

EDUCATION: EXCEPTIONAL CHILD-CORE COMPETENCIES Courses

EEX 2010  Introduction to Exceptional Children
3 sh (may not be repeated for credit)
Incidence, nature, etiology and services available in connection with gifted and handicapped children. Visual, auditory, motor coordination, intellectual, social, emotional and behavioral deviations are emphasized.

EEX 3070  Methods in Inclusion and Collaboration
3 sh (may not be repeated for credit)
Required for all education majors. Structure and content are based on the University of West Florida’s model for professional education, the Empowered Person and Professional taking action. Views future teachers as being: 1) critical thinkers, 2) problem solvers, 3) decision makers, 4) counselors/therapists, 5) ethical and moral beings, 6) lifelong learners, and 7) active professionals. Therefore it provides students a knowledge base of varying exceptionalities, as well as, multiple instructional and management strategies. Students also will be actively involved in experimenting with instructional and behavioral strategies, examining the professional literature, and problem solving in relation to specific cases of students with disabilities or diverse cultural backgrounds. Additionally, information about special needs students, agencies and resources. Students will also become aware of the use of technology in meeting the needs of students with physical, sensory and communicative disabilities. Includes required field experience.

EEX 4141  Survey of Normal and Abnormal Language and Speech Development
3 sh (may not be repeated for credit)
Comparison of normal and deviant patterns of language and speech development. Etiology and remedial programs emphasized.

EEX 4221C  Evaluation and Prescriptive Instruction for the Exceptional Child
3 sh (may not be repeated for credit)
Development of skill in administration, interpretation and construction of formal and informal tests for evaluating children and individualizing instruction for exceptional children. Field experience is required.
EEX 4254  Instructional Strategies for Teaching Students with Exceptionalities
3 sh (may not be repeated for credit)
Prerequisite: EEX 4255
Focuses on development, implementation, and evaluation of educational plans; special approaches to teaching basic academic and functional skills; developmental programming and data-based management of instruction. Emphasis is also placed on developing awareness of the specific instructional needs of culturally diverse students.

EEX 4255  Curriculum for Teaching Students with Exceptionalities
3 sh (may not be repeated for credit)
Prerequisite: EEX 2010, RED 3310
Specialized curriculum and instructional materials for teaching students with high incidence disabilities (learning disabilities, emotional handicaps and cognitive disabilities); curriculum standards and resources; and translation of assessment data into individualized, instructional programs.

EEX 4261  Educational Management of Exceptional Children
3 sh (may not be repeated for credit)
Materials, methods and management techniques appropriate for use with exceptional children. Includes classroom organization and consultation skills. Includes required field experience.

EEX 4275  Move Basic Provider Course
1 sh (may not be repeated for credit)
Provides training in the MOVE Curriculum resulting in certification as a MOVE Basic Provider through MOVE International. Training will be provided in the six steps of the MOVE Curriculum: Testing, Goal Setting, Task Analysis, Measuring Prompts, Reducing Prompts, and Teaching Skills. Additionally lecture, demonstration, and practice will be provided in the areas of transdisciplinary team approaches, family-centered program planning, top-down program development, activity-based instruction, and adaptive mobility equipment. Graded on a satisfactory/unsatisfactory basis only.

EEX 4474  Curricula for Teaching Students with Severe Disabilities
3 sh (may not be repeated for credit)
Prerequisite: EEX 2010, EEX 4141, EEX 4255
An introduction to functional curricula pertaining to students with severe disabilities including intellectual disabilities, physical impairments, and autism. Emphasis is on family-centered planning, team approaches, access to the general education curriculum, activity-based instruction, and community-based instruction. Specific information on curriculum and instructional strategies related to communication, motor, and self-care skills will be included.

EEX 4660  Advanced Behavior Management for Students with Exceptionalities
3 sh (may not be repeated for credit)
Provides a comprehensive knowledge base concerning advanced behavior management. Areas of emphasis include techniques of stimulus control, shaping new behavior, increasing, decreasing, and maintaining behaviors, cognitive behavior modification strategies, teaching social skills, group contingency contracting and precision teaching.

EEX 4772  Personal, Social and Employment Skills for Exceptional Students
3 sh (may not be repeated for credit)
Prerequisite: EEX 2010
Includes personal, social, communication employment goals and skills, career awareness, and transition planning for adult living. Includes required field experience.

EEX 4832  Field Experience I
3 sh (may not be repeated for credit)
Prerequisite: EDF 3234
This field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 100 hours in a field placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practical Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficient - (LEP), and students at risk for school failure.) Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

EEX 4833  Field Experience 2
3 sh (may not be repeated for credit)
Prerequisite: EEX 4832, TSL 4081
Co-requisite: TSL 4081
This field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 100 hours in a field placement, with 25 hours devoted to an ESOL placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficient - (LEP), and students at risk for school failure.) Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.

EEX 5085  Integrating Curriculum and Instruction
3 sh (may not be repeated for credit)
Comprehensive knowledge base concerning curriculum and instruction for individuals preparing to teach students with diverse needs. Topics emphasized include a) curricular standards, influences and design, b) instructional materials, curricula and resources, and c) teaching methodology and best practices.
EEX 5283 Employment, Social, and Personal Skill Building for Exceptional Students  
3 sh (may not be repeated for credit)  
Includes an intensive examination of programs and services and development of well researched strategies for teaching personal, social, employment, and transition skills for students into advanced vocational prep., the workplace and independent living. Provides graduate level field-based classroom experiences in applying career development strategies, job coaching, transition planning, and research related to employment, social, and personal skill development of student with disabilities.

EEX 6035 Best Practices in Teaching Challenging Students  
3 sh (may not be repeated for credit)  
A comprehensive overview of the exceptional student to include the knowledge, skills, and dispositions needed to be an effective teacher in the ESE classroom or inclusive education environment. Covers a broad range of topics to prepare the professional for the Florida Teacher Certification Examination for K-12 ESE. Discusses best practices as reflected in the professional literature related to effective program development and delivery for students who are at-risk or identified as needing special educational services.

EEX 6051 Exceptionalities  
3 sh (may not be repeated for credit)  
Is a requirement for students in the Middle Level and Secondary Education (M.Ed.) Program. The underlying model which permeates this course is the teacher as Empowered Person and Professional taking action. This model focuses learning experiences on activities that permit the teacher to examine what he/she does and to take an active role in the instructional process. Through lecture, discussion, and projects, this course provides a comprehensive knowledge base pertinent to the nature and needs of persons with disabilities, at risk, and with special gifts and talents. It includes a discussion of assessment, service provision, and education of exceptional individuals.

EEX 6205 Typical and Atypical Development (Birth-5)  
3 sh (may not be repeated for credit)  
Provides participants with the knowledge of the stages and sequences of skill acquisition and the impact of disabilities and biomedical risk factors on learning and development. Covers normal child growth and development from conception to age five and what can go wrong at the different developmental stages; from genetic contributions through conception and pregnancy to birth and to five years of age. Discusses crucial times for deficiencies.

EEX 6222 Practical Applications and Issues Classroom Management  
3 sh (may not be repeated for credit)  
Analyze professional literature focused on the best practices and ecological variables associated with teacher and student behavior and perceptions to develop practical response and individual best practices for exceptional student education classroom management. Develop a knowledge base of classroom management practices and applications for individual, small group and large groups in student respective grade level or education settings.

EEX 6225 Assessment of Exceptional Children  
3 sh (may not be repeated for credit)  
Development, administration, and scoring of group and individual tests and assessment devices for determining scope and depth of educational achievement as well as standardized and alternative assessment methods of specific abilities and behaviors which relate to or constitute prerequisites to educational programs. Students develop proficiency in the development of tests, rating scales, and alternative assessment devices for use with students with learning disabilities, emotional handicaps, and mental handicaps.

EEX 6340 Action Research  
3 sh (may not be repeated for up to 6.0 sh of credit)  
Prerequisite: EEX 6945  
Implementation of proposal in Research Practicum including identification of a problem in the area of Special Education, review of pertinent literature and preparation of a proposal with all the necessary information, conducting research in a professional manner, evaluation and written report of the results. Graded on satisfactory/unsatisfactory basis only.

EEX 6455 Program Development for PreK Disabilities  
3 sh (may not be repeated for credit)  
Program development for handicapped and at-risk infants, toddlers and preschoolers; includes administration, supervision, curriculum development parent involvement, staff development, funding and evaluation.

EEX 6612 Behavior Management  
3 sh (may not be repeated for credit)  
Provides a comprehensive knowledge base concerning behavior management including structuring the classroom for success, assessing and managing individuals and group behavior, and motivating and managing exceptional and at-risk students.

EEX 6707 Assessment for Early Intervention for PreK Disabilities  
3 sh (may not be repeated for credit)  
Investigates assessment tools used in early intervention and early childhood special education. Explores the strategies and procedures used for screening, diagnoses and program planning.

EEX 6732 Parent-Teacher Team and Agencies for PreK Disabilities  
3 sh (may not be repeated for credit)  
Parent-teacher team interaction for handicapped and at-risk infants, toddlers and pre-schoolers to age five. Agencies with services for birth to five years of age will be included.

EEX 6756 Home/School/Community Collaboration  
3 sh (may not be repeated for credit)  
The purpose is to investigate techniques and strategies for developing and implementing effective home, school, and community communication and collaboration. Emphasis will be placed on methods to communicate effectively with families from a variety of cultural backgrounds.

EEX 6940 Practicum in Special Education  
1-3 sh (may be repeated for up to 6.0 sh of credit)  
Designed to provide the critical opportunity for students to demonstrate their ability to write lesson plans, deliver individualized instruction and manage the classroom in a relevant field setting. Minimum of 100 hours in a special education, K-12, setting.
EEX 6945  Research Practicum in Special Education
3 sh (may not be repeated for credit)
Prerequisite: EDG 5366
Explores investigative inquiry of relevant topics within the field of special education. Includes instruction in applied research models, analysis and synthesis of professional literature, formulation of research questions, development of a plan of action, and problem solving within investigative inquiry.

EEX 7060  Seminar: Best Practices in Alternative and Special Education
3 sh (may be repeated for up to 6.0 sh of credit)
Students will develop a knowledge base of instructional issues including program alternatives, development of curriculum, developing instructional interventions, and microcomputers and instruction. Students will focus on best practices related to behavioral management, learning strategy instruction, and career education for those students who are not successfully adjusting to the normal school setting.

EEX 7215  Ecological Assessment and Intervention in Alternative and Special Education
3 sh (may not be repeated for credit)
Students will develop a knowledge base of the theoretical principles underlying ecological assessment in alternative and special education settings. Students will be given opportunities to apply ecological assessment procedures in alternative and special education setting to refine their assessment skills and to use the assessment data to plan and implement behavioral and instructional interventions.

EEX 7343  Contemporary Trends in Special Education
3 sh (may not be repeated for credit)
Examines current research related to current trends in special education. Of particular importance will be an analysis of historical antecedents related to these trends, an examination of associated data bases, and implications for future trends.

EEX 7344  Current Research Applications in Special Education
3 sh (may not be repeated for credit)
Examines current research findings concerning assessment, instructional planning, and evaluative procedures used with various age groups and disabilities. Past and current practices as well as those procedures that have been found to be most effective will be addressed.

EEX 7457  Changing Paradigms in Education
3 sh (may not be repeated for credit)
Develop a knowledge base of major issues confronting the education. Understand current practices and relate these to the future needs of students. Additionally, students will be encouraged to explore ways in which programs and services can be restructured to meet current and future needs.

EEX 7773  Transitional Planning for At-Risk Students
3 sh (may not be repeated for credit)
Students will develop a knowledge base of transitional issues including historical perspectives, legislative mandates for transitional planning, skills and needs of at-risk students, models of transition programs, barriers and supports to transition, professional responsibilities, work and independent living supports, and current and future transitional needs. Students will focus on best practices related to vocational rehabilitation, vocational education, career education, and community education for those students who would not successfully adjust to adult living without these services.

EDUCATION: FOUNDATIONS AND POLICY STUDIES Courses

EDF 1005  Introduction to Education
3 sh (may not be repeated for credit)
Consideration of career opportunities in the field of education, including clinical experiences in selected agencies/institutions.

EDF 2085  Teaching Diverse Populations
3 sh (may not be repeated for credit)
Provides students with the opportunity to explore personal values and attitudes toward cultural diversity. Designed for the prospective educator, the theoretical component will examine the issues of teaching in culturally diverse classrooms. Attention will be given to teaching all children about ethnicity in a pluralistic society. Field experiences and examination of educational materials will enhance the students’ understanding of multiculturalism. Meets Multicultural Requirement.

EDF 3234  Applied Foundations of Education
3 sh (may not be repeated for credit)
Principles of growth, development and learning in the context of teaching in the schools of today. Methods of formal and informal assessment, measurement and evaluation are addressed and the ability to analyze educational phenomena in America and other countries from interpretive, normative and critical perspectives is developed. May include observation/participation in educational settings.

EDF 5255  Classroom Management: Harry Wong's Approach
3 sh (may not be repeated for credit)
Provides students with the opportunity to gain knowledge and skills to practice classroom organization and structure to maximize student learning time. An end of course product will be a binder containing a personal classroom management plan.

EDF 6218  Psychological Foundations for Education: Learning and Instruction
3 sh (may not be repeated for credit)
Examines current theories of learning, behavior, cognitive development, and instruction and their practical application in educational practice. Beyond theories and their application will explore current issues in human development and learning. Develops knowledge and skills for determining an appropriate theoretical framework from which to investigate and solve education problems. Students complete a review of research in their area of emphasis to examine an issue in depth and apply their findings to educational practice. Recommended: Educational Statistics I.
EDF 6223  Positive Behavioral Change and System Support in Educational Settings
3 sh (may not be repeated for credit)
Prerequisite: EDF 6225, EDF 6226
Positive behavioral support strategies, establishing system support for behavioral change, documenting behavioral change using single case design methodology in educational settings. Relation between behavior analysis, single case design, and best practices in education will be discussed.

EDF 6225  Foundations of Applied Behavior Analysis in Education
3 sh (may not be repeated for credit)
A basic introduction to behavior analytic principles, definitions, characteristics, processes, and concepts in the field of education. Includes a review of the national legislation that mandates the use of ABA in educational settings.

EDF 6226  Behavioral Assessments, Interventions, and Outcomes in Education
3 sh (may not be repeated for credit)
Prerequisite: EDF 6225
Behavioral assessment, selecting behavioral outcomes, selecting behavioral strategies, and ethical and professional standards issues relevant to the practice of behavior analysis in educational settings.

EDF 6404  Educational Statistics I
3 sh (may not be repeated for credit)
Designed as an entry level course in statistics and covers both descriptive and inferential statistical techniques to solve applied research problems. Emphasis is also placed on using statistical software packages and will cover the most widely used statistical procedures in education.

EDF 6442  Assessment for Educational Leaders
1 sh (may not be repeated for credit)
Lead organizations to apply and create sound classroom assessment and standardized testing strategies.

EDF 6460  Foundations of Measurement
3 sh (may not be repeated for credit)
Provides an understanding of the nature of instrument and test development and focuses on the information and skills needed to design, develop, analyze, and interpret tests and instruments; the use of testing or instrument results in planning, monitoring, and evaluating instruction or programs; and to evaluate student or program progress. Intended to provide a foundation in testing and instrument development skills for those who work in a variety of applied settings.

EDF 6464  Applied Program Evaluation
3 sh (may not be repeated for credit)
Provides an introduction to program evaluation design, development, and implementation. Students will become familiar with a wide range of evaluation strategies, as well as how to interpret, use and communicate formative and summative evaluation results. These skills will be practiced through an applied research focus on using qualitative and quantitative data collection and analysis strategies to develop organizational accountability systems.

EDF 6475  Qualitative Research I - Methods
3 sh (may not be repeated for credit)
Prerequisite: EDF 6481
Enables graduate students to comprehend and apply new research paradigms, strategies, and techniques to better understand social change and cultural settings. Qualitative research concepts, theories, and methods offer an empirical basis to explore nonnumeric data. Students will experience and practice a variety of qualitative applied research techniques designed to enhance learning.

EDF 6481  Educational Research
3 sh (may not be repeated for credit)
Develops skills for evaluating and for conducting applied research studies in an appropriate area of emphasis. Includes strategies of research appropriate for particular area of emphasis and methods appropriate for those strategies. Students are required to select a problem, perform a review of the research literature, plan a research study, and write a research proposal. Completion of EDF 6404 and EDF 6218 is recommended prior to taking this course.

EDF 6557  Ethics in Applied Behavior Analysis
3 sh (may be repeated for up to 0.0 sh of credit)
Prerequisite: EDF 6225, EDF 6223, EDF 6226
Students will study and apply the ethical issues relevant to practicing behavior analysis and implications for the decisions they make in practice.

EDF 6602  Trends and Issues in Education: Social, Multicultural, Historical and Philosophical Analysis
3 sh (may not be repeated for credit)
Enables students to develop skills as empowered persons and professionals and use critical and analytical thinking skills to demonstrate an understanding of the history and philosophy of education and an increased awareness of multicultural and other critical issues in education.

EDF 6691  Issues in Teacher Education: A Bio-Psycho-Social Understanding
3 sh (may not be repeated for credit)
Examines current issues in education from a multi-perspective point of view. Issues may include changes in school achievement, standardized testing, motivation, social, economic, and political pressures, character education, population make-up exceptionalities, new technologies, and the role of the public school in society. Will focus on understanding the biological, psychological and social factors that inform these issues.

EDF 6725  Critical Issues in American Education
3 sh (may not be repeated for credit)
Major issues in American education which confront educational leaders. Problems growing from these issues are considered.

EDF 6915  Action Research for Educational Leaders
3 sh (may not be repeated for credit)
Guides future educational leaders in the process of sound action research in order to support and sustain positive change to enhance student achievement in K12 schools.
EDF 6943 Supervised Experience in Single Case Design
3 sh (may be repeated for up to 9.0 sh of credit)
Supervised field experience of positive behavioral support implementation in educational or related settings evaluated using single case designs. Topics covered will include the ethics and philosophy of positive behavioral support. Graded on satisfactory/unsatisfactory basis only.

EDF 7191 Psychological Foundations for Education: Cognition, Curriculum, and Instruction
3 sh (may not be repeated for credit)
Explores the traditional and contemporary theories of cognition and merges them with educational practices. Examines the ways theories of cognition inform instructional theories and models and informs teaching and learning in specific content areas. Provides students with an opportunity to explore multiple perspectives of learning that enhance their ability to understand educational goals and processes. Completion of EDF 6218, EDF 6481, and EDF 7407 is recommended prior to taking this course.

EDF 7407 Educational Statistics II: General Linear Model
3 sh (may not be repeated for credit)
Prerequisite: EDF 6404
Designed as an intermediate course in statistics for students who work in applied settings. Emphasis is on the introduction of more complex topics such as regression and the various ANOVA models, and in developing knowledge and skill in the appropriate techniques and application of various statistical software packages. Permission is required.

EDF 7437 Measurement and Single Case Design
3 sh (may not be repeated for credit)
Prerequisite: EDF 6475
Measurement of behavioral data, data display, data interpretation, experimental evaluation of interventions, and ethical considerations of applied behavior analysis and research in educational settings. This course specifically addresses the function of Applied Behavior Analysis as applied to individuals with varying exceptionalities and particularly focuses on those diagnosed with Autism Spectrum Disorders. Continuous and accurate data collection, data interpretation, evaluation of intervention, and ethical considerations are crucial components to competent and responsible intervention for individuals on the Autism Spectrum.

EDF 7476 Survey Research
3 sh (may not be repeated for credit)
Prerequisite: EDF 7407, EDF 6475
Designed as an entry level course in survey research and includes design and selection of questionnaires and interviews as data collection instruments in both quantitative and qualitative research that is conducted in applied settings. Permission is required.

EDF 7477 Qualitative Research II - Theory
3 sh (may not be repeated for credit)
Prerequisite: EDF 6475
Focuses on major perspectives in contemporary social theory so as to attune students to the diverse connections between social theory and qualitative research. Covers the intersecting perspectives of feminist, postmodernist, social constructionist, multiculturalists, hermeneutic, and other theorists. Through practice exercises it provides students with opportunities to apply these perspectives to small samples of qualitative data in preparation for Qualitative Research III - Analysis. Finally in conjunction with Qualitative Research I and III this course equips students to undertake qualitative inquiry in their dissertations without needing further substantial preparation.

EDF 7478 Qualitative Research III - Analysis
3 sh (may not be repeated for credit)
Prerequisite: EDF 6475
Provides doctoral students advanced instruction to qualitative research analysis. Students are expected to have developed an understanding of their research skills in qualitative methodologies prior to enrollment. Will assist students in applying their methodological skills to their theoretical and philosophical orientations. Qualitative data analysis software (QDAS) will be used as a tool to enhance the research analysis process. Students are expected to work with their own research data through applied practical applications.

EDF 7489 Advanced Research Methods
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prerequisite: EDF 6475 and EDF 6481
Identify a potential dissertation topic, analyze and synthesize research on the topic, and produce a concept paper for the dissertation to be presented to the dissertation committee. Study the application of both qualitative and quantitative research methodologies towards addressing a research problem. Apply concepts from educational research in synthesizing current research articles for the development of a research project. Gain expertise in educational research that will facilitate student research agendas for action research, thesis research, and dissertation research.

EDF 7573 Contemporary Curriculum Issues and Theories
3 sh (may not be repeated for credit)
Explores curriculum conceptions, contributions to curriculum decisions, issues and dilemmas in curriculum development, proposals for the organization of curriculum choices (both past and present), and analysis of curricular reforms. Theoretical foundations underlying curriculum considerations and implications of these for curriculum decision-makers at all levels.

EDF 7576 Social Change and Reform
3 sh (may not be repeated for credit)
The dynamics of social and cultural change in democratic societies with a special focus on social movements and collective behavior. Practical methodologies in common use among activist and other agents of social change. Provides participants with opportunities to develop and apply some social-change skills. Permission is required.

EDF 7638 Social Change and Reform
3 sh (may not be repeated for credit)
Provides students with opportunities to review, discuss and implement innovative curriculum and pedagogical strategies that connect school and community learning environments.
EDF 7685  Educational Foundations: A Philosophical and Multicultural Analysis
3 sh (may not be repeated for credit)
Aims to broaden and deepen students’ awareness of various educational philosophies and their influences in everyday classroom practice. Emphasis will be on the pluralism and diversity of educational ideas, the practical implication of such ideas, development of critical and analytical thinking and open mindedness. Completion of EDF 6602 is recommended prior to taking this course.

EDF 7944  Advanced Single Case Design in Applied Settings
3 sh (may not be repeated for credit)
Prerequisite: EDF 7437
Apply knowledge and skills of positive behavioral support and single case design to an identified problem in an educational setting. Evaluate programs of behavioral support and collaborative system support using single case designs.

EDF 8289  Curriculum Design
3 sh (may not be repeated for credit)
Historical, sociological, psychological and philosophical foundations of curriculum models, theory and design. Curriculum implementation, implementation, construction, and evaluation. The course incorporates study of recent general developments in curriculum theory and construction, and a critical review of current specific curriculum models, plans, and guidelines.

EDF 8406  Educational Statistics III: Multivariate Analyses
3 sh (may not be repeated for credit)
Prerequisite: EDF 7407
Provides the student with the necessary skills required to conduct educational research at an advanced level. Emphasis is placed on selecting the appropriate multivariate technique for a particular purpose and given data set, and the interpretation of statistical output generated from the major statistical packages. Permission is required.

EDF 8446  Instrument Development and Validation
3 sh (may not be repeated for credit)
Prerequisite: EDF 8406
Provides an understanding of the nature of measurement as well as the underlying theory and methodology of reliability estimation and test validation. Emphasis is on applied skills such as the conceptualization, development, and validation of instruments for assessment, research, and evaluation. Topics include the logical empirical, and statistical models of measurement processes with emphasis on scaling, reliability and validity. It will function as both a seminar and practicum within which the student will acquire applicative skills in the process of providing evidence of instrument reliability and validity. Permission is required.

EDF 8486  Advanced Quantitative Research and Statistics
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: EDF 7407, EDF 6475
Student will develop advanced skills required to conduct educational research and analyze results. Emphasis is placed on aligning research methodology with appropriate statistical techniques for a particular purpose and set of research questions, and the interpretation of statistical output.

EDF 8936  Advanced Qualitative Research and Strategies: Special Topics
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: EDF 6475, EDF 6481
Student will develop advanced skills required to conduct educational research and analyze results. Emphasis is placed on aligning research methodology with appropriate data analysis strategies for a particular purpose and set of research questions.

EDF 8980  Dissertation
1-6 sh (may be repeated for up to 18.0 sh of credit)
Major individual research in an area of significant educational interest; designed specifically for candidates in the Ed.D. Curriculum and Instruction, Teacher Education Specialization. The dissertation reflects intensive educational research produced by the student and collaboratively developed with the student’s graduate committee. Graded on a satisfactory/unsatisfactory basis only. Admission to candidacy, completion of all other doctoral program requirements and permission are required.

EDUCATION: GENERAL Courses

EDG 3323C  General Methods for Teaching K-12 Students
3 sh (may not be repeated for credit)
General methods of planning, presenting and evaluating instruction, incorporating principles and skills of effective teaching required of all Florida teachers. Intended for non-education majors. Students will receive instruction in Reading Endorsement Competency 2 and strategies for working with ESL and diverse learners.

EDG 4373  Elementary and Special Education Integrated Arts
3 sh (may not be repeated for credit)
Integrates the musical arts, visual arts, and kinesthetic arts/health with the reading, language arts, science, and mathematics curriculum as a basis for instruction. Students learn discipline specific instructional techniques, activities, and content knowledge.

EDG 4936  Senior Seminar
2 sh (may not be repeated for credit)
Prerequisite: EDF 3234
Co-requisite: EDG 4940
Integrates theory, and general professional preparation with actual school practice. Prepares student for achieving initial certification and continuing success in the classroom.

EDG 4940  Student Teaching
3-12 sh (may be repeated for up to 12.0 sh of credit)
Minimum of ten weeks of supervised teaching in a public or private school. Student Teaching assignments will be made by the Division of Teacher Education Field Placement Coordinator. Students are not allowed to take additional coursework or pursue employment during the student teaching experience without prior approval from the Teacher Education Field Placement Coordinator. Graded on a satisfactory/unsatisfactory basis only.

EDG 4941  Teaching Internship I
1-6 sh (may be repeated for up to 6.0 sh of credit)
Phase I of a year-long supervised teaching experience in public and private schools. (Students will register for this series in successive semesters.) Graded on satisfactory/unsatisfactory basis only. (See Teacher Education/ Admission to Student Teaching).
**EDG 4942 Teaching Internship II**  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Phase II of year-long, supervised teaching experience in public or private schools. (Students will register for this series in successive semesters). Graded on satisfactory/unsatisfactory basis only. (See Teacher Education/Admission to Student Teaching).

**EDG 5250 Principles of Curriculum Development**  
3 sh (may not be repeated for credit)  
Emphasis on school curricula, underlying theories, and strategies for improvement make up the foundation for curricular reform. Students intending to meet SDOE certification requirements should select specialization areas. The specialization areas are (a) early childhood/primary education, (b) middle school education, (d) secondary school education, and (e) exceptional student education.

**EDG 5289 Alternative Assessment of At-Risk Students**  
1 sh (may not be repeated for credit)  
Introduces student of different alternative assessment instruments to evaluate student performance of at-risk populations. Projects are designed to assist in the development of classroom assessment instruments for their specific curriculum.

**EDG 5332 Principles of Instructional Design & Product Development**  
3 sh (may not be repeated for credit)  
Selected concepts from communication, motivation, learning theory, and principles of instructional design are examined as a basis for developing instruction. Students develop a learning package utilizing a theoretically based design.

**EDG 5366 Investigative Strategies and Empirical Foundations in Learning and Development**  
3 sh (may not be repeated for credit)  
Designed for graduate students in Teacher Education. Examines the empirical foundations of teacher education, investigative strategies and data sources used to study issues in teacher education. Students will identify a possible area of research in their program of study and will select a Faculty Mentor who will assist in the development of their graduate program.

**EDG 5411 Anger Control for At-Risk Students**  
1 sh (may not be repeated for credit)  
Students will examine and identify the nature of anger and aggression and will learn strategies for anger replacement. Students will increase their proficiency in using replacement strategies with at-risk populations.

**EDG 5416 Classroom Management Practices for At-Risk Students**  
1 sh (may not be repeated for credit)  
Content focuses on structuring the classroom for success, assessing and managing individual and group behavior/academic achievement, and motivating and managing exceptional and at-risk students. This course is required for students participating in the Professional Educator Preparation Program.

**EDG 5420 Conflict Resolution Strategies for At-Risk Students**  
1 sh (may not be repeated for credit)  
Introduces to professionals working with at-risk populations, several theoretical concepts and current models for reducing/eliminating conflict within at-risk populations. Students are expected to develop a conflict resolution model for their use.

**EDG 5421 Breaking the Cycle of Violence**  
1 sh (may not be repeated for credit)  
Causes of violent behavior in at-risk populations are examined. Strategies for reducing or eliminating violent behavior will be explored by the students. Development of an action plan for violent behavior reduction/elimination by the students is required.

**EDG 5427 Involving Families of At-Risk Students**  
1 sh (may not be repeated for credit)  
Students will explore concerns about parental involvement in the educational process and will identify effective strategies which promote involvement plans to address some of the deficiencies which occur that inhibit involvement of at-risk parents in the educational process.

**EDG 5631 Building Resilience in At-Risk Students**  
1 sh (may not be repeated for credit)  
Strategies which promote resilience in at-risk populations will be explored by students. Successful practices will be reviewed involving community and family influences.

**EDG 5632 Guidance and Counseling Strategies for At-Risk Students**  
1 sh (may not be repeated for credit)  
The study of research related to guidance and counseling strategies for at-risk populations. Practical activities are provided to assist students in the implementation of methods that promote a helping/caring milieu for at-risk students.

**EDG 5940 Graduate Student Teaching**  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Graded on a satisfactory/unsatisfactory basis only.

**EDG 6047 Advanced Issues for At-Risk Students**  
1 sh (may not be repeated for credit)  
Overview of current research and theory related to issues of at-risk populations is presented. Students will explore the roles of family, school, community, and culture to determine the more effective methods of building resilience in at-risk students.

**EDG 6237 Setting Academic Goals for At-Risk Students**  
1 sh (may not be repeated for credit)  
Educational strategies assigned to promote the setting of academic goals by at-risk students are acquired through lecture, group projects, and individual research. Students will develop motivational plans for use with at-risk students.

**EDG 6255 Alternative Instruction for At-Risk Students**  
1 sh (may not be repeated for credit)  
Alternative instructional strategies for use with at-risk students will be presented. Students will develop a classroom plan utilizing alternative instructional techniques using Gardner’s Theory of Multiple Intelligences as a basis.
EDG 6285 Data Driven Decisions Using Standardized Student Achievement Data
1 sh (may not be repeated for credit)
Prerequisite: EDF 6460

Learning, Accountability, and Assessment is one of the new standards in Educational Leadership in Florida and it speaks specifically to the use of data in creating a school environment and curriculum that will enhance student learning. High Performing Leaders must monitor the success of all students in the learning processes to promote effective student performance, and use a variety of benchmarks, learning expectations, and feedback measures to ensure accountability for all participants engaged in the educational process. Using data to drive decisions is a critical component of the accountability system currently in place in Florida. Participants will develop skills in determining data needed to make certain decisions; in analyzing data; in communicating information about the decision making process to stakeholders. Specifically for administrators in the K12 educational setting.

EDG 6288 Educational Assessment
1 sh (may not be repeated for credit)
The focus of this course is assessment concepts that are critical for good teaching. Topics include measurement issues to determine assessment quality; teacher constructed assessments such as paper and pencil assessments, informal assessments, and performance and product assessments; and interpreting standardized assessments commonly used in public schools. Required course for students participating in the Professional Educator Preparation Program.

EDG 6335 Advanced Instructional Design & Product Development
3 sh (may not be repeated for credit)
Prerequisite: EDG 5332

Analyzes, synthesizes, and evaluates instructional and learning theories and principles, taking into account a variety of situations and individual differences of learners. Develops a design and development plan and produces related materials accounting for various models of instructional design.

EDG 6412 Social Skills Intervention Techniques
1 sh (may not be repeated for credit)
Students will explore current curricula focusing on social skills development and the application to the remediation of at-risk populations. Students will participate in group interaction to develop techniques for delivery of social skills training to targeted at-risk populations.

EDG 6418 Recognizing and Working with Abuse Exposed Youth
1 sh (may not be repeated for credit)
Students explore background theory to better understand the dynamics of at-risk behaviors in abuse-exposed youth. Counseling and recovery techniques believed to be effective in working with abuse-exposed youth will be examined. Communication strategies will be enhanced in class group participation.

EDG 6621 Alternative Certification: Human Development and Learning
1 sh (may not be repeated for credit)
Drawing upon well-established human development/learning theories and concepts and a variety of information about students, the teacher plans instructional activities.

EDG 6630 Peer Pressure and Youth Gangs
1 sh (may not be repeated for credit)
Current research related to peer pressure and gang activity is presented. Students will develop research project and action plans which include abatement strategies for at-risk population.

EDG 6633 Drugs and Alcohol
1 sh (may not be repeated for credit)
The causes of alcohol and drug abuse and the identification of effective strategies for reducing or eliminating abuse behaviors are presented. Students will develop an intervention plan for use in reducing abusive behaviors in at-risk populations.

EDG 6705 Ethnic and Cultural Diversity
1 sh (may not be repeated for credit)
Theoretical and practical considerations for designing diverse, multicultural, and educational curricula are presented. Students will develop curricula for use with remediation of at-risk behaviors in diverse groups.

EDG 6791 Multicultural Education
3 sh (may not be repeated for credit)
Designed to acquaint students with basic concepts of multiculturalism including theoretical orientations to (1) the study of race and ethnicity in the United States; (2) race and ethnicity in American institutions; 3) race and ethnicity in popular culture and communities; and (4) the future of race and ethnic relations and the impact on teaching and learning in a pluralistic society.

EDG 6945 Professional Education Practicum
1 sh (may not be repeated for credit)
One of three required practica for students participating in the Professional Educator Preparation Program; aligned with three courses (EDG 5416: Classroom Management, EDG 6621: Human Development and Learning, and EDG 6288: Assessment). Requires students to complete a field experience in an educational setting. May be taken during the same semester or after the completion of the aforementioned courses.

EDG 6946 Special Methods Practicum
1 sh (may not be repeated for credit)
One of three required practica for students participating in the Professional Educator Preparation Program; aligned with the Special Methods Course in the student’s respective content area. Requires students to complete a field experience in an educational setting that contains ELL/ESOL students. Students will design and implement a subject-area lesson plan. May be taken during the same semester or after the completion of the aforementioned course.

EDG 6947 Reading Instruction Practicum
1 sh (may not be repeated for credit)
One of three required practica for students participating in the Professional Educator Preparation Program; aligned with EDG 3323(General Methods for Teaching Students K-12) OR RED 6060 (Foundations of Middle/Secondary Literacy). Requires students to complete a field experience in an educational setting and design and implement a reading lesson plan with accommodations. May be taken during the same semester or after the completion of the aforementioned course.
EDG 7070  Managing Learning Environments  
3 sh (may not be repeated for credit)  
Managing learning environments is required in the educational curriculum and instructional Doctoral program, with a specialization in teaching and learning. The focus is on developing the skills necessary to become instructional leaders in the 21st century. Management of personnel, students, finances, and community resources is discussed.

EDG 7221  Curriculum Issues and Theories  
3 sh (may not be repeated for credit)  
Explores various curricula models, issues and dilemmas in curricula development, and approaches to curricula reform. Examines theoretical perspectives as well as the practical ramifications for administrators, instructional supervisors, and classroom teachers.

EDG 7225  Teaching Critical and Social Issues  
3 sh (may not be repeated for credit)  
Provides students with opportunities to design curriculum that includes critical, social, and controversial issues and to practice teaching using innovative pedagogical strategies.

EDG 7241  Social Justice and Inequities  
3 sh (may not be repeated for credit)  
Offers a comprehensive look at inequality and social-justice issues in American society. Using Patricia Hill Collins’ notion of a matrix of domination as a central concept, focuses on institutionalized hierarchies and systems of domination both historical and current based on race, ethnicity, sexual orientation, social class, gender, disability, and age, and on how social hierarchies intersect and reinforce each other.

EDG 7303  Analysis of Learning and Teaching Practices  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Advanced study of theories and research on teaching and learning and their application to instructional practices; emphasis on professional leadership in decision making related to teaching practices and creating or restructuring learning environments.

EDG 7346  Advanced Analysis of Curriculum and Instruction  
3 sh (may not be repeated for credit)  
Enables students to utilize research based curriculum and instruction models to analyze and evaluate teaching processes for the purpose of improving instructional programs. Skill development in feedback and coaching techniques and strategies effective in orchestrating change in instructional practices will also be a focus.

EDG 7363  Applications of Current Research in Teaching and Learning  
3 sh (may not be repeated for credit)  
Provides advanced study of the theoretical knowledge bases, methodologies and applications of current research topics in teaching and learning to a variety of subject areas and educational settings. Required for the doctoral specialization in teaching and learning.

EDG 7458  Analysis of Alternative Assessment Methods  
3 sh (may not be repeated for credit)  
Advanced study of current theories and research on assessment with emphasis on alternative methods of assessing learning; designing multiple forms of assessment that tap into higher level thinking and allow students to demonstrate knowledge of processes and skills of problem solving and knowledge of concepts.

EDG 7930  Special Topics and Critical Issues in Teaching and Learning  
3 sh (may not be repeated for credit)  
Advanced study of current topics and issues related to teaching and learning across a variety of classroom lab or alternative settings. Students explore current teaching practices and future needs related to educational programs for learners of various ages.

EDG 7935  Research Design Seminar  
3 sh (may not be repeated for credit)  
Prerequisite: EDF 6481 and EDF 7407.  
Provides students with an understanding of how to undertake a research thesis. Concepts include format, style, literature reviews, hypothesis formulation, research design and statistical application.

EDG 8980  Dissertation  
1-18 sh (may be repeated for up to 36.0 sh of credit)  
Major individual research in an area of significant educational interest; designed specifically for candidates in the Ed.D. Curriculum and Instruction program. This dissertation will reflect intensive educational research produced by the student and collaboratively developed with the student’s graduate committee. Graded on a satisfactory/unsatisfactory basis only. Admission to candidacy and completion of all other doctoral program requirements are required.

EDUCATION: GIFTED Courses

EGI 5051  Nature and Needs of Gifted  
3 sh (may not be repeated for credit)  
Evaluation, identification and characteristics of gifted children and youth including those from special populations. Cultural, psychological and physiological factors of giftedness and their implications for educational programming.

EGI 6246  Education of Special Populations of Gifted Students  
3 sh (may not be repeated for credit)  
Examines the incidence and effect of handicapping condition on the education of students who are gifted. Specifically, examines educational adaptations that can be made to meet the needs of children and youth who are gifted and labeled handicapped.

EGI 6305  Theory and Development of Creativity  
3 sh (may not be repeated for credit)  
Designed to examine a variety of theories of creativity in school aged children. Appropriate educational activities, placement and instructional support will be examined.

EGI 6415  Guidance of Learning and Counseling of Gifted Students  
3 sh (may not be repeated for credit)  
Programming the total learning experience for gifted students and meeting the unique counseling needs of the gifted student and his/her parents with an emphasis on awareness, knowledge, and understanding of students who are gifted and talented or from special populations as well as developing strategies to design and implement counseling programs for the unique socio-emotional needs of the gifted/talented student. Unique challenges and opportunities the gifted and talented children and adolescents have in the classroom and the role of the counselor as advocate.
EDUCATION: HIGHER Courses

EDH 5040  The American College Student: Theories and Trends
3 sh (may not be repeated for credit)
Studies the characteristics of American college students, the effects of the college experience on their learning and personal development, learning and motivation theories that relate to the college student, and critical trends and learning issues for student affairs practitioners related to student services and student development. Will also provide opportunities to practice professional skills.

EDH 5070  Assessment Issues in College Student Affairs
3 sh (may not be repeated for credit)
The philosophy and practice of assessment in college student affairs programming and administration. Issues include the role of assessment in regional accreditation, meeting state mandates, and improved institutional effectiveness. A variety of regional and national reports related to the climate of accountability in higher education will be reviewed and discussed.

EDH 6045  Theories of College Student Development
3 sh (may not be repeated for credit)
The purpose of this course is to study the various student development theories used as a foundation for student affairs work. Students will learn theories related to psychosocial, identity development, cognitive-structural, and typology. Individuals will learn how to put theory into practice with working with students.

EDH 6368  Multicultural Competence in Student Affairs
3 sh (may not be repeated for credit)
Multicultural competence is integral to the mission of providing students with the skills and knowledge needed to successfully manage civil discourse and interactions with individuals from diverse backgrounds and requires that the learner be actively, intentionally, and consistently engaged in learning across diverse populations, cultures, and worldviews.

EDH 6369  Capstone Seminar in Student Affairs
3 sh (may not be repeated for credit)
As the culminating experience in the College Student Affairs Administration Program, this course prepares graduates for employment in the student affairs profession. The course is divided into three components - job search preparation and employment strategies, reflection and synthesis of prior course material and that integration with the graduate assistantship and transitional issues from being a graduate student to a new professional such as establishing a professional identity and social media pitfalls.

EDH 6405  Legal Issues in Higher Education
3 sh (may not be repeated for credit)
Designed to provide students with overview of the legal issues involving the profession of student affairs in higher education. Through course instruction, the study of legal briefs, and assigned test readings, students will gain a basic understanding of the legal issues and principles that confront student affairs professionals. Not designed to provide legal training or advice. Admission to College Student Personnel Administration is required.

EDH 6505  Budgeting, Finance, and Governance in Higher Education
3 sh (may not be repeated for credit)
Will provide students with a theoretical and practical overview of budgeting, finance, and governance in higher education in general and student affairs specifically. Topics will include budget components and processes, the relationship of strategic planning to budgeting, models for financing the higher education enterprise, and comparative governance models.

EDH 6634  Introduction to College Student Personnel
3 sh (may not be repeated for credit)
Provides a comprehensive introduction to college student personnel administration and its role in American higher education. Introduces philosophical and theoretical concepts; the history of modern student affairs work in higher education; the roles and functions of selected professionals in the field; a review of the skills and competencies required for the professions; and discussion of current issues and concerns relevant to college student services.

EDH 6948  Internship in Higher Education
3 sh (may be repeated for up to 6.0 sh of credit)
Consists of two components, one involving practical application and the second involving an approved independent study. Interns will work on one or more projects or activities in an appropriate student affairs or student support services unit. Practical experience must include specified learning outcomes and appropriate documentation of work and learning. The practical experience component will provide the opportunity to observe how a student affairs or student services unit operates and to learn about critical issues, essential knowledge, and applicable skills required to be successful in the field. The independent study portion of the internship will allow development of an area of special interest and expertise. Permission is required.

EDUCATION: MIDDLE SCHOOL Courses

EDM 3230
3 sh (may not be repeated for credit)

EDM 3322  Integrated Methods I
3 sh (may not be repeated for credit)
Teacher’s role in delivering content specific curricula within the middle school will be the focus. Students will develop ability to construct lesson plans of various types that integrate specialized content across the middle level curriculum. Basic lesson plans for direct instruction, guided discovery, problem-centered learning, and class and individual projects will be developed. Planning for implementation of cooperative learning, alternative assessment, and verbal techniques that encourage student thinking will be addressed. Students will become familiar with content specific manipulatives, other instruction tools, and ways to organize and communicate information in written and oral modes. Development of the emerging prof at the tech level will be emphasized.
EDM 3942  Field Experience 1
3 sh (may not be repeated for credit)
Prerequisite: EDM 3234, EDM 3230, EDM 3322
This experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 100 hours in a field placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficient - (LEP), and students at risk for school failure.) Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

EDM 4310  Instruction, Management, and Assessment- Middle
3 sh (may not be repeated for credit)
Strategies for managing the classroom, instruction, and evaluation as it relates to teaching the essential school competencies.

EDM 4402  Educational Assessment
3 sh (may not be repeated for credit)
Designed for all students in Teacher Education and focuses on assessment concepts that are critical for good teaching. Topics include (1) measurement issues to determine assessment quality; (2) teacher constructed assessments such as paper and pencil assessments; (3) interpreting standardized assessments commonly used in public schools.

EDM 4943  Field Experience 2
3 sh (may not be repeated for credit)
Prerequisite: EDM 3942, TSL 4080
This field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of settings that simulate a classroom experience. Students will also complete a minimum of 100 hours in a field placement, with 25 hours devoted to an ESOL placement. Successful students will also demonstrate proficiency on the Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities, and assessments of students from diverse backgrounds, i.e., culturally and linguistically diverse (Limited English Proficient - (LEP), and students at risk for school failure.) Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

EDM 6235  Integrated Curriculum and Instruction/Middle Level Education
3 sh (may not be repeated for credit)
Advanced curriculum for graduate middle level education students. Format combines classroom instruction and student engagement focusing on integration of the content areas with a field based component in which the student applies learning and conducts research. Emphases of instruction are integration of content, best practices in the content areas, accomplished practices in teaching, contextual learning, constructivism, cooperative learning, interdisciplinary instruction, mental habits, multiple intelligences, SCANS competencies, and authentic assessment.

EDM 6405  School Involvement and Community Relations
3 sh (may not be repeated for credit)
Investigate techniques and strategies for developing and implementing effective home, school, community involvement programs at the middle school level. Emphasis will be placed on materials and techniques for communicating effectively with families from a variety of cultural backgrounds and the implications for industrial, labor and community relations as they impact the middle school level.

EDM 6411  Practical Applications and Issues in Classroom Management: Middle Level Education
3 sh (may not be repeated for credit)
Analyze professional literature focused on best practices and ecological variables associated with teacher and student behavior and perceptions to develop practical responses and individual best practices for middle level classroom management. Develop a knowledge base of classroom practices and application for individual, small group, and large groups in student respective grade level or education settings.

EDM 6911  Action Research
1-6 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: EDM 6912
Implementation of proposal prepared in Research Practicum including identification of a problem in the area of Middle Level Education, review of pertinent literature and preparation of a proposal with all the necessary information, conducting research in a professional manner, evaluation and written report of the results. Graded on a satisfactory/unsatisfactory basis only.

EDM 6912  Research Practicum
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: EDM 6912
Identification of a problem in the area of Middle Level Education, review of pertinent literature and preparation of a proposal with all the necessary information, conduct of research in a professional manner, evaluation and written report of the results.

EDM 6944  Graduate Methods/ESOL/Reading Practicum: Middle Level
3 sh (may not be repeated for credit)
Co-requisite: LAE 6325, MAE 6361, SCE 6265, or SSE 6326.
Implementation of a well-researched teaching approach not previously used by the candidate; maintenance of a log to indicate adaptations, required and conclusions drawn about the impact of the new approach on pupil’s achievement; a professionally written report stating the approach used, the goal of the practicum, a brief review of related literature, a summary of the practicum experiences and a statement of the conclusions reached about methods, ESOL, and reading strategies is included.

EDUCATION: SECONDARY Courses

ESE 3304C  General Methods for Teaching Secondary School Subjects
3 sh (may not be repeated for credit)
General methods of planning, presenting, and evaluating instruction, incorporating legal requirements and principles and skills of effective teaching embodied within the Florida accomplished practices. Intended for majors in the various secondary teacher education programs.
ESE 4322  Instruction, Management, and Assessment: Secondary Education
3 sh (may not be repeated for credit)
Strategies for managing the classroom, instruction and evaluation as it relates to teaching the essential school competencies.

ESE 4323  Educational Assessment
3 sh (may not be repeated for credit)
Designed for all students in Teacher Education and focuses on assessment concepts that are critical for good teaching. Topics include (1) measurement issues to determine assessment quality; (2) teacher constructed assessments such as paper and pencil assessments, informal assessments, and performance and product assessments; (3) interpreting standardized assessments commonly used in public schools.

ESE 4940  Field Experience 1
3 sh (may be repeated for up to 6.0 sh of credit)
This field experience includes integrating reading standards and ESOL competencies across the curriculum through carefully planned and designed course assignments. Through this experience students will work in a variety of classroom settings. Students will also complete a minimum of 100 hours in a field placement. Successful students will demonstrate proficiency on the Florida Educator Accomplished Practices Competencies and ESOL Performance Standards. This experience includes: observation, planning, adapting, delivering, and evaluating units that include curriculum materials, activities and assessments of students from diverse backgrounds, e.g., culturally and linguistically diverse, and students at risk for school failure. Permission is required.

ESE 6035  School Involvement and Community Relations
3 sh (may not be repeated for credit)
Investigate techniques and strategies for developing and implementing effective home, school, community involvement programs at the secondary level. Emphasis will be placed on materials and techniques for communicating effectively with families from a variety of cultural backgrounds and the implications for industrial, labor and community relations as they impact the secondary school level.

ESE 6217  Integrated Curriculum and Instruction/Secondary Education
3 sh (may not be repeated for credit)
Advanced curriculum course for graduate secondary education students. Format combines classroom instruction and student engagement focusing on integration of the content areas with a field based component in which the student applies learning and conducts research. Emphases of instruction are integration of content, best practices in the content areas, accomplished practices in teaching, contextual learning, constructivism, cooperative learning, interdisciplinary instruction, mental habits, multiple intelligences, SCANS competencies, and authentic assessment.

ESE 6343  Practical Applications and Issues in Classroom Management: Secondary Education
3 sh (may not be repeated for credit)
Analyze professional literature focused on best practices and ecological variables associated with teacher and student behavior and perceptions to develop practical responses and individual best practices for secondary education classroom management. Develop a knowledge base of classroom management practices and application to individual, small group, and large groups in student respective grade level or education settings.

ESE 6421  Research Practicum
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ESE 6421
Identification of a problem in the area of Secondary Education, review of pertinent literature and preparation of a proposal with all the necessary information, conduct of research in a professional manner, evaluation and written report of the results.

ESE 6426  Action Research
1-6 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: ESE 6421
Implementation of proposal prepared in Research Practicum including identification of a problem in the area of Secondary Education, review of pertinent literature and preparation of a proposal with all the necessary information, conducting research in a professional manner, evaluation and written report of the results. Graded on a satisfactory/unsatisfactory basis only.

ESE 6944  Graduate Methods/ESOL/Reading Practicum: Secondary Education
3 sh (may not be repeated for credit)
Co-requisite: MAE 6361 or SSE 6326
Implementation of a well-researched teaching approach not previously used by the candidate; maintenance of a log to indicate adaptations, required and conclusions drawn about the impact of the new approach on pupil’s achievement; a professionally written report stating the approach used, the goal of the practicum, a brief review of related literature, a summary of the practicum experiences and a statement of the conclusions reached about methods, ESOL, and reading strategies is included.

EDUCATION: SUPERVISION Courses

EDS 6105  Human Relations and Communication in Education
3 sh (may not be repeated for credit)
Theoretical and experiential framework for maximizing human relations and communication within the educational domain including principles of persuasion, public information management, effective communication strategies and personal effectiveness with staff and the public.

EDUCATION: TECHNOLOGY AND MEDIA Courses

EME 2040  Introduction to Educational Technology
3 sh (may not be repeated for credit)
Assists educators in developing skills and competencies which are essential to the integration of technology into the delivery of classroom instruction. Students will survey a wide variety of instructional technology materials and systems. They will also learn to use these tools in a classroom environment.
EME 2042  Introduction to Communications and Print Technologies
3 sh (may not be repeated for credit)
Communications and information professionals are required to design and develop print and multimedia-based products that promote effective teaching and learning. Students survey technology programs and systems that are commonly found in the communications and print professional environment as they explore how those products are used in professional environments that focus on teaching and learning.

EME 3301  Network Infrastructure: Planning, Design and Implementation
12 sh (may not be repeated for credit)
Design hardened networks, provide network design services for enterprises. Plan and maintain network infrastructure, including TCP/IP networking, networking services, network security, active directory. Configure servers, computers, and user environments. Troubleshoot network environment. Permission is required.

EME 3402  Information Technology Implementation Case Studies
3 sh (may not be repeated for credit)
Prerequisite: EME 2040 or CGS 2570
Technology Systems professionals develop, implement, and operate systems composed of computers, networks, and telecommunications services. Topics related to information technology systems and information technology systems implementation will be explored and case studies will be used to illustrate the complex nature of the profession. In this survey of the field, students build foundational knowledge and skills they need to become effective Technology Systems professionals.

EME 3406  Web Presence Deployment Strategies
4 sh (may not be repeated for credit)
Prerequisite: EME 3402
Technology Systems Specialists support the development and implementation of the web presence for an organization. An organization’s web presence integrates a wide variety of technologies into a system that projects its identity and services out through the Internet via any number of media. This integration requires learners to plan, select, produce, organize and manage materials and systems in a variety of settings. Learners will develop strategies to design, develop, and evaluate information-based solutions that meet the needs of stakeholders with real-world communication problems.

EME 3410  Emerging Technology in the Classroom
1 sh (may not be repeated for credit)
Prerequisite: EME 2040
Examines specific methods for integrating technology (hardware and software) into subject area curricula in the classroom. Students will explore models of technology integration, classroom management and administrative tasks that can be performed more efficiently using technology, and learn strategies to select appropriate mediums when planning for technology integration. Individualization will allow each student to select and develop materials in their disciplines.

EME 3454  Technology Systems Implementation Strategies
3 sh (may not be repeated for credit)
Prerequisite: EME 2040 or CGS 2570
Learners examine a distance learning technology implementation problem as a model for applying a systematic design, planning and development process to implement a large technology system. Learners will design a distributed learning system that uses emerging technologies to support distance delivery. They will produce planning documents that include system design, technical specifications, maintenance technologies, project budgeting, resource sequencing and scheduling, requests for proposal development, project bid evaluation tools, and system performance evaluation processes.

EME 4454  Technology Systems Implementation Strategies
3 sh (may not be repeated for credit)
Prerequisite: EME 2040 or CGS 2570
Students will develop skills and abilities to effectively manage the operations of a networked technology system. Network-related fault management, configuration, security, performance, and utilization measurements will be addressed. Lessons will include in-depth examination and appropriate applications in each functional area. Hardware and software tools that are required to perform network management tasks will be examined.

EME 4622  Technology Systems Operations 1
4 sh (may not be repeated for credit)
Prerequisite: EME 2040 or CGS 2570
Students learn advanced principles associated with designing, developing and operating technology systems for large organizations spanning one or sites.

EME 4944  Internship/Practica
3 sh (may not be repeated for credit)
Observation of and participation in technology systems related roles in professional settings. Students participate in field-based experiences related to their course of study and future goals. Prerequisite: Permission of instructor.

EME 5355  Instructional Design for HPT
1.5 sh (may not be repeated for credit)
Instructional Systems Design is the basis of creating instructional-based interventions. Performance professionals and other non-instructional designers must be able to articulate systematic ways of integrating instructional interventions into the workplace from a pedagogical and practical viewpoint. Emphasized will be theories and models that support the design of instruction. Focus areas will include instructional strategies and media selection techniques, with an emphasis on integrating media rich elements into instruction.
EME 5403 Education and Training Technology Support Systems  
4 sh (may not be repeated for credit)  
Students learn advanced principles associated with designing and developing multi-site and enterprise-based support systems for education and training technologies and organizations that focus on developing effective learning environments and communities. Offered concurrently with EME 4627; graduate students will be assigned additional work.

EME 5457 Distance Education Technologies  
3 sh (may not be repeated for credit)  
Distance education will be investigated as an instructional method in terms of delivery, development, and implementation. Students will design a distance education environment that uses emerging technologies that support distance delivery. Offered concurrently with EME 4454; graduate students will be assigned additional work.

EME 5625 Technology Tools: Site-Based Educational Networks  
4 sh (may not be repeated for credit)  
Students learn the basic principles associated with designing and developing site-based networks that support education and training organizations. Major topics to be examined include: terminology, troubleshooting techniques and strategies, the future of educational networks. Offered concurrently with EME 4622; graduate students will be assigned additional work.

EME 6054 Foundations of Instructional Technology  
3 sh (may not be repeated for credit)  
Students investigate historical, sociological, and philosophical perspectives of instructional technology in education and training environments. Students develop the knowledge, skills, and abilities needed to integrate instructional technology theories and processes into education and training settings. Credit may not be received in both EME 6054 and EME 6053.

EME 6062 Applied Instructional Technology Investigations  
3 sh (may not be repeated for credit)  
This course provides an introduction to past, present, and future instructional technology research. Research paradigms and underlying theory appropriate for IT are emphasized. Quantitative, qualitative, and mixed methods research designs and appropriate data analysis techniques are explored.

EME 6256 Creativity and Innovation in the Learning Organization  
3 sh (may not be repeated for credit)  
Designed for students who believe they will one day be involved in a creative, entrepreneurial or “intrapreneurial” (corporate) opportunity within the learning organization (or invent a new learning organization) and would like to understand how to draw from their own creative skills. Students will engage with several innovation case studies of learning organizations as well as participate in applied assignments to support pedagogical innovation. Various strategies to promote disruptive innovation will also be explored in terms of how it impacts radical change in the learning organization. Creating a culture of creativity and innovation within the teaching and learning environment is paramount to this course. This course prepares students to contribute in unique and extremely productive ways to impact today’s organizational demands.

EME 6314 Technology for Leaders  
3 sh (may not be repeated for credit)  
Provides leaders with the basic terminology, historical perspectives, theoretical basis, research and practical application of instructional technology to empower persons and professionals who work in educational settings. Builds knowledge and skills to assist school and district leaders in using and applying instructional technology planning and management techniques.

EME 6316C Instructional Management and Technology  
3 sh (may not be repeated for credit)  
Survey of the applications and uses of technology from a variety of perspectives, including education, training, military, public sector, and non-profits. Focusing on technology, information, and information technology literacy. Special attention is paid to providing a systematic view of the use of technology and information in organizations.

EME 6317 Instructional Technology for Educational Leaders  
3 sh (may not be repeated for credit)  
The basic terminology, technology skills, historical perspectives, theoretical basis, research and practical application of instructional technology for professionals who work in educational settings. Knowledge and skills to assist school and district leaders in using and applying instructional technology planning and management techniques to real-world situations. Upon completion of this course, students will have the ability to use instructional technology for administrative and instructional purposes and to plan, organize, and promote its use in PK-12 educational environments.

EME 6357 Instrument Design for Performance Technology  
1.5 sh (may not be repeated for credit)  
Selection, design, development and critique of data collection instruments used in PT. Students develop skills to select appropriate data collection methods, critically examine existing instruments and design and develop new, situation-specific instruments to be used for PT process in a variety of organizational settings.

EME 6358 Evaluation for MSA Professionals  
1.5 sh (may not be repeated for credit)  
Develop skills in selecting appropriate models for conducting an evaluation in an administrative environment. A series of models will be evaluated for applicability and use in administrative environments.

EME 6408 Integrated Technology Learning Environments  
3 sh (may not be repeated for credit)  
Prerequisite: EME 6316C  
Students evaluate how technology is impacting education and training from an instructional systems perspective, students will review what educational and training leaders are promoting for the future, what new approaches exist, and how to integrate this into a technology-rich learning environment. All content will be woven around current national and state reform and accountability efforts; standards for instructional technology; and competencies for instructional designers.

EME 6409 Distance Learning Implementation  
3 sh (may not be repeated for credit)  
Examines current theories, technologies and strategies related to the design, development, and implementation of effective, efficient distance learning systems. Students will critique existing distance learning systems, examine the roles and responsibilities of instructors and students in distance learning and design, develop, and implement a theoretically sound distance learning experience.
EME 6414C  Web-Based Instructional Tools for Educators
3 sh (may not be repeated for credit)
Prerequisite: EME 6316C
Students will develop the skills necessary to design web-based
instructional programs. In addition, students will develop the
knowledge, skill, and abilities needed to provide leadership in the
area of web-based design, development, and delivery of instruction.
Students will design and develop effective instruction, as well as
identify and select other effective "off the net" instruction.

EME 6415   Designing Instructional Courseware
3 sh (may not be repeated for credit)
Prerequisite: EME 6316C
Incorporates concept, theory, and research to the design, and
evaluation of computer-assisted instruction (CAI). Includes the
production of a CAI rapid prototype based on sound principles of
learning theory and instructional design.

EME 6426   HPT Interventions
3 sh (may not be repeated for credit)
Prerequisite: EME 6429
Human Performance Technologists, education and training leaders
in organizations, identify gaps between desired and actual employee
performance levels. Once the gaps have been identified, the HPT
practitioner determines interventions or combinations of interventions
that are needed to close those gaps. These interventions consist of
instructional and non-instructional solutions that educators and trainers
design and develop that, in turn, solve organizational performance
problems.

EME 6427   Implementing HPT Interventions
3 sh (may not be repeated for credit)
Prerequisite: EME 6426, EME 6429
Once performance gaps have been identified, Human Performance
Technologists determine interventions or combinations of interventions
that are required to close those performance gaps. The implementation
of instructional and non-instructional interventions follows a process
model that meets education and training needs of the organization.
Guides the student in developing strategies for implementing those
interventions.

EME 6428   Evaluating HPT Interventions
3 sh (may not be repeated for credit)
Prerequisite: EME 6426, EME 6429
Human Performance Technologists, education and training leaders
in organizations, evaluate the success of HPT interventions, both
instructional and non-instructional. The impact of these interventions
must be quantified and solutions modified as needed based on
evaluation data.

EME 6429   Human Performance Improvement
3 sh (may not be repeated for credit)
Models of human performance technology, associated processes, and
procedures for completing the tasks ascribed to the various stages
within the models/processes are explored.

EME 6458   Distance Learning Policy and Planning
3 sh (may not be repeated for credit)
Current issues and trends in distance learning and associated impact
on policies and planning as related to design, development, delivery,
evaluation, implementation, and administration of distance learning
courses and programs. Theories of distance education are integrated
with modern theories of learning and instruction and systems within
education and training organizations, leading to the development of a
conceptual framework for distance education and learning.

EME 6607   Instructional Technology Planning and Change
1-5 sh (may be repeated for up to 5.0 sh of credit)
Prerequisite: EME 6316C
Incorporates organizational systems analysis and management as
related to instructional projects and building technology-rich learning
environments through a comprehensive site-based technology plan.
Students develop skills needed to design, develop, and manage
instructional technology projects in organizations that continually
change and evolve.

EME 6626   Emerging and Innovative Technology Systems
3 sh (may be repeated for up to 6.0 sh of credit)
New technology and approaches to teaching and learning evolve
and revolutionize how professionals approach technology integration.
Explore how innovation and new technologies can be used in
instructional strategies to promote performance and learning.

EME 6628   Contract Administration: Large Scale Instructional
Technology Systems
3 sh (may not be repeated for credit)
Prerequisite: EME 6316C
Will incorporate selected concepts from the trends and issues
in instructional technology, current large scale technological
initiatives, project planning and contract administration for large scale
instructional technology systems. Students will learn to search from
a variety of funding sources in instructional technology funding, write
proposals and grants, gather data from large databases (such as the
MIS records), and manage/administer contracts from a project
management perspective.

EME 6666   Emerging and Innovative Technology Systems
3 sh (may be repeated for up to 6.0 sh of credit)
New technology and approaches to teaching and learning evolve
and revolutionize how professionals approach technology integration.
Explore how innovation and new technologies can be used in
instructional strategies to promote performance and learning.

EME 6812   Instructional Technology Seminar
3 sh (may not be repeated for credit)
Prerequisite: EME 6316C
Students will synthesize the research on instructional technology as
it relates to teaching and learning. Students will study the influence of
research and theory in instructional technology to suggest a model or
set of constructs for technology based learning environments. Students
exploring emerging technologies will be better prepared as decision
makers and leaders in the field of instructional technology such as
virtual reality, telepresence, hypermedia, cyberspace, and distance
education have potential application for education and training. The
full emergence into a technology based learning environment could
revolutionize teaching and learning.
EME 6936  Seminar in HPT Issues: Human-Computer Interaction  
1.5 sh (may be repeated for up to 9.0 sh of credit)  
Performance Technology Professionals face a range of issues  
resulting from the implementation of PT theories and models. In this  
course, topics such as performance consulting, performance analysis,  
interventions will be explored. Strategies for implementation of the  
topic will be integrated into applications of performance technology.  

EME 6946  Field Experiences in Instructional and Performance  
Technology  
3-6 sh (may be repeated for up to 6.0 sh of credit)  
Observation and participation in instructional and performance  
technology organizational settings. Students participate in field-  
based experiences related to their course of study and future goals.  
Permission is required.  

EME 7063  Research on Emerging and Innovative Technology  
Systems  
3 sh (may not be repeated for credit)  
Design and develop instructional systems that use innovative and  
emerging technologies to promote motivation, performance and  
learning in education and training systems. Build a research framework  
to investigate technologies and instructional systems.  

EME 7417  Advanced Web-Based Learning Environments  
3 sh (may not be repeated for credit)  
Prerequisite: EME 6316C  
Incorporates concept, theory, and research to the design,  
development, and evaluation of complex web-based learning  
environments. Included is the development of a WBI learning  
environment based on sound principles of learning theory and  
instructional design.  

EME 7938  IT Research Design Seminar  
3 sh (may not be repeated for credit)  
Prerequisite: EDF 6475, EDF 7407  
Provides Instructional Technology advanced graduate students with  
the opportunity to conduct an in-depth examination of the processes  
and procedures in applied IT research, specifically as related to the  
dissertation process. Students explore how to determine appropriate  
topics for IT research, format and style for research publications,  
strategies for conducting literature reviews, hypotheses, a research  
design, and appropriate statistical application.  

EME 8980  Dissertation  
1-6 sh (may be repeated for up to 18.0 sh of credit)  
Major individual research in an area of significant educational interest;  
designed specifically for candidates in the Ed.D. Curriculum and  
Instruction, Instructional Technology program. The dissertation  
reflects intensive educational research produced by the student and  
collaboratively developed with the student's graduate committee.  
Graded on a satisfactory/unsatisfactory basis only. Admission to  
candidacy, completion of all other doctoral program requirements and  
permission is required.  

EDUCATION:TECHNOLOGY Courses  

ETE 3323  Integrated Methods I for C&T  
3 sh (may not be repeated for credit)  
Skills and knowledge to integrate specialized content across the  
middle level curriculum. Instructional tools and ways to organize and  
communicate information are examined.  

ETE 4003  Foundations of Technology Education  
3 sh (may not be repeated for credit)  
Prepares teachers to teach the foundations of technology. The areas  
of content focus is construction technologies. Construction topics such  
as reading blueprints, building materials, framing, roofing, finishing,  
and related construction technologies are included in the course.  

ETE 4203  Program Management in Technical Education  
3 sh (may not be repeated for credit)  
Planning, designing, organizing, and managing the learning  
environment in technology education classrooms and laboratories.  
Includes student motivation, learning management systems, and the  
basics of drafting and design.  

ETE 4344  Methods for Teaching Middle School/High School  
Technology Education  
3 sh (may not be repeated for credit)  
Prepares teachers to teach technology education in middle and high  
schools. Provides instruction in standards based instructional planning,  
methods, resources, and assessment.  

ETE 4415  Exploring Technology Education Settings  
3 sh (may not be repeated for credit)  
Explores the application of technology in everyday life. Content area  
of focus is information and communication technologies. Prepares  
teachers to be able to teach the design of websites and use websites  
as part of the technology education program.  

ETE 4436  Technology Education Systems  
3 sh (may not be repeated for credit)  
Prepares teachers to be able to teach technological systems. The  
focus of the content is energy and power technology topics and  
activities in the schools.  

ETE 4444  Technological Design in Technology Education  
3 sh (may not be repeated for credit)  
Describes the importance of technological design. Introduces  
ingineering design as a high school model.  

ETE 4463  Technology Education Assessment  
3 sh (may not be repeated for credit)  
Technology assessment with an emphasis on medical and bio-related  
technologies.  

ETE 4473  Impacts of Technology for Technology Systems  
3 sh (may not be repeated for credit)  
The major impacts of technology with focus on transportation  
technologies. Prepares teachers to be able to teach transportation  
technologies and transportation systems. Special emphasis is placed  
on automotive technologies.  

ETE 4694  Invention and Innovation for Technology Education  
3 sh (may not be repeated for credit)  
The effects of invention and innovation on society. Content focus is  
on manufacturing technologies. Prepares teachers to be able to teach  
materials and manufacturing processes technology.  

ETE 5145  Integrated Learning Environment Portfolios  
3 sh (may not be repeated for credit)  
Producing a management portfolio for an integrated learning  
environment.
EDA 5345  Advanced Methodology for Technology Education
3 sh (may not be repeated for credit)
Curriculum for standards based instruction, planning, and various methodologies.

EDA 6416  Advanced Technology Education Exploration
3 sh (may not be repeated for credit)
A research-based approach to exploring the applications of technology in everyday life. Areas of focus is information and communications technologies. Prepares students to be able to teach the design of websites and use websites as part of the technology program.

EDA 6426  Technology Education and Construction Technology
3 sh (may not be repeated for credit)
Uses a construction technology approach to describe the importance of technological design. Topics include the nature and impact of technology.

EDA 6437  Energy and Power Technology
3 sh (may not be repeated for credit)
A case study approach to prepare candidates to be able to teach technological systems. Focus on energy and power technology topics and activities in the schools.

EDA 6456  Technology and Engineering Design
3 sh (may not be repeated for credit)
Uses a design brief focus to describe the importance of technological design. Also introduces engineering as a high school model.

EDA 6467  Technology Education and Manufacturing
3 sh (may not be repeated for credit)
An integrated methods approach to describe the effects of invention and innovation on society. The content focus is on manufacturing technologies. Prepares teachers to be able to teach materials and manufacturing processes technology.

EDA 6478  Technology Transportation System
3 sh (may not be repeated for credit)
Employs a research-based approach to the major impacts of technology with focus through transportation technologies. Also prepares teachers to be able to teach transportation technologies and transportation systems. Special emphasis is placed on automotive technologies.

EDUCATIONAL ADMINISTRATION Courses

EDA 5191  Leadership in Education: School Improvement Theory and Practice
3 sh (may not be repeated for credit)
Leadership theories and planning models which have been developed through studies in education, business, industry, and the military will be examined. Application of these will be made to educational practices with a focus on continuous improvement and on the school improvement process.

EDA 6061  Educational Organization and Administration
3 sh (may not be repeated for credit)
Examines the structure, organization and management of modern education. Emphasis is upon basic theories, principles and competencies in educational administration.

EDA 6063  Introduction to Educational Leadership
3 sh (may not be repeated for credit)
An introduction for graduate students to the educational leadership program. Major topics will be leadership, William Cecil Golden Modules, Code of Ethics, communication—both verbal and nonverbal, and interpersonal skills. Permission is required.

EDA 6222  Administration of School Personnel
2-3 sh (may be repeated for up to 3.0 sh of credit)
Focus is on the improvement of educational programs through the proper management of human resources. Emphasis is upon recruitment, selection placement, and evaluation of school personnel.

EDA 6232  Law and Education
3 sh (may not be repeated for credit)
Examines law and its relationship to education. Students study constitutional law, legislative enactments, school policies, and the relationships among these aspects of school law as they pertain to administration. Tort liability, due process for students, corporal punishment, teacher contracts, and other law relating to authority and responsibility of teachers and administrators are included.

EDA 6240  Introduction to School Finance
3 sh (may not be repeated for credit)
Focus is on principles, trends, and practices in financing public education, including federal, state, and local financial support programs. School finance as related to taxation and other areas of school finance is included. Fiscal policies, planning, and management as related to the total education program are central themes.

EDA 6503  The Principalship
3 sh (may not be repeated for credit)
Prerequisite: EDS 6105
Prerequisite: EDG 6285
Focus is on problems, practices, and theories pertinent to the administration of building level programs in elementary, middle, and secondary schools. Includes planning, staffing, implementing, and evaluation techniques needed to administer a school program.

EDA 7217  Effective Communication Techniques
3 sh (may not be repeated for credit)
Prerequisite: EDS 6105
Prerequisite: EDS 6105
Broad based study of communication skills and techniques, both interpersonal and media oriented, that emphasize strategies used by outstanding educational leaders within and outside the educational domain.

EDA 7423  School Reform: Research to Practice
3 sh (may not be repeated for credit)
Covers the use of research in determining the relationship of school administration to the community; educational decision-making in the context of local politics; community analysis; public relations; public participation in educational planning; school advisory councils; dealing with parents; and implications for school administrators and boards of education.

EDA 7931  Seminar with High Performing Educational Leaders
3 sh (may not be repeated for credit)
Provides exposure for educational leadership students to high performing educational leaders. Students will interact with high performing leaders, study current research in educational leadership, develop group experiences in theoretical problems and solutions, and spend observation time in the work site of a high performing educational leader.
ELECTRICAL AND ELECTRONIC ENGINEERING Courses

EEE 3308  Electronic Circuits I  
3 sh (may not be repeated for credit)  
Prerequisite: EEL 3111, EGN 3203  
Co-requisite: EEE 4308L  
Fundamentals of analog electronic circuits and systems. A grade of "C" or better is required in the prerequisites.

EEE 3396  Solid-State Electronic Devices  
3 sh (may not be repeated for credit)  
Prerequisite: EEL 3111 and CHM 2045  
Introduction to the principles of semiconductor electron device operation. A grade of "C" or better is required in the prerequisite.

EEE 4306  Electronic Circuits II  
3 sh (may not be repeated for credit)  
Prerequisite: EEL 3112, EEE 3308, and EEE 4308L  
Co-requisite: EEE 4306L  
Design-oriented continuation of EEL 3304C; feedback on am circuits and applications, digital electronics. A grade of "C" or better is required in the prerequisites.

EEE 4306L  Electronic Circuits II Laboratory  
1 sh (may not be repeated for credit)  
Prerequisite: EEL 3112, EEE 3308, and EEE 4308L all with a grade of C (2.0/4.0) or better  
Co-requisite: EEE 4306  
Electronic Circuits II laboratory. A grade of "C" or better is required in the prerequisites. Material and Supply fee will be assessed.

EEE 4308L  Electronics Laboratory  
1 sh (may not be repeated for credit)  
Prerequisite: EEL 3117L  
Co-requisite: EEE 3308  
Electronic instrumentation devices and systems. Material and Supply Fee will be assessed. A grade of "C" or better is required in the prerequisites. Credit may not be received in both EEE 4308L and EEL 4304L.

EEE 4310  VLSI Circuit Design  
3 sh (may not be repeated for credit)  
Prerequisite: EEE 3308 and EEL 3701  
Analysis and design of digital circuits using MOS and bipolar devices.

EET 2141C  Electronics II  
3 sh (may not be repeated for credit)  
Prerequisite: EET 2141C  
Develop competency in basic electronic circuits. Theoretical and practical aspects of electronic circuits such as voltage regulators, filters, wave generation and shaping circuits, multi-vibrators and power supply are presented. Hands-on experiences in the lab provide experimental analysis and verifications.

EET 2142C  Electronics II Laboratory  
1-2 sh (may be repeated for up to 4.0 sh of credit)  
Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of Cooperative Education director is required.

EET 3038C  Advanced Circuit Analysis  
4 sh (may not be repeated for credit)  
Advanced course in circuit analysis that stresses network theorems; solutions of time and frequency domain problems; magnetic coupling; three phase circuits; transformer theory and impedance matching; two-port parameters. Includes a computer lab to analyze the above circuits.

EET 3218C  Control Systems Technology  
4 sh (may be repeated for up to 5.0 sh of credit)  
Prerequisite: MAC 1105  
To develop basic knowledge on; controllers and their principles, control loop characteristics, selection, design and development of feedback control systems.

EET 3321C  Communication Systems  
4 sh (may not be repeated for credit)  
Develops competencies in the theory and industrial application of modern communication systems. Introductory course with experiments in transmission systems, waveguides, fiber optics, microwaves, and lasers.

EET 3949  Cooperative Education  
1-2 sh (may be repeated for up to 4.0 sh of credit)  
Application of theoretical concepts in analog electronic circuits and development of electronic projects. Processes involved in the design and development of an electronic project with hands-on experience, including working with electronic circuits and project design techniques such as development of drawing, testing using multism, troubleshooting, and bread board and actually preparing the product on the printed circuit board.

EET 4146  Electronic Circuits and Application Technology  
3 sh (may not be repeated for credit)  
Advanced concepts in digital communication systems; students will study and conduct laboratory experiments in advanced communication systems (video, facsimile, telephone, modems, RS232, cellular phones, networks and fiber optics).
EET 4513  Electric Machinery
3 sh (may not be repeated for credit)
Study of electric machinery, including direct current motor and generator, induction and synchronous motors and generators for single phase and three phase systems. Emphasis is on practical applications, principles of operation and performance characteristics. Courses in AC and DC circuits are required.

EET 4930  Seminar: Electrical Engineering Technology
3 sh (may be repeated for up to 99.9 sh of credit)
Participation in advanced discussions of electrical engineering technology. Topics will vary depending upon the needs of each class of students. Senior status in electrical engineering technology is required.

EET 4941  Internship/Project in Electrical Engineering Technology
3 sh (may be repeated for up to 6.0 sh of credit)
Observation and participation in electrical engineering technology based project/seminar with a training related settings. Designed to reinforce academic preparation; confirm education and career goals; and facilitate personal and professional development. Students participate in field-based experiences related to their course of study and future goals. Permission is required.

ELECTRONIC SPECIALTY TECHNOLOGY Courses

EST 3543  Programmable Logic Controllers
4 sh (may be repeated for up to 8.0 sh of credit)
Prerequisite: MAC 1105
Explore logic fundamentals, programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocol.

EST 4538  Instrumentation
3 sh (may not be repeated for credit)
Prerequisite: PHY 2049 or PHY 2054
The industrial application of instrumentation. Electrical, mechanical, and pneumatic instrument applications.

EST 4538L  Instrumentation and Control Laboratory
1 sh (may be repeated for up to 2.0 sh of credit)
Prerequisite: MAC 1105 and EST 4538
Co-requisite: EST 4538
Laboratory course accompanying EST 4538. Application of analog and digital signal conditioning, the interface of sensors and readout devices or computers. Various methods of analog and digital signal conditioning and an assortment of sensors including those used for the measurement of temperature, pressure, strain, and light are studied.

ENGINEERING TECHNOLOGY = POWER Courses

ETP 4240  Power Systems Technology
3 sh (may not be repeated for credit)
Investigation of the technical aspects of generation, transmission and distribution of electrical power systems; circuit constants, assemblies of power systems, distribution of electrical energy, faults and behavior of power system equipments.

ENGINEERING TECHNOLOGY: DRAFTING Courses

ETD 2320  Computer Aided Design
3 sh (may not be repeated for credit)
Application of industrial standard CAD program. Develop skills in CAD processes and procedures while working on real-world projects.

ENGINEERING TECHNOLOGY: INDUSTRIAL Courses

ETI 3445  Construction Estimating
3 sh (may not be repeated for credit)
Processes involved in estimating, including the formats appropriate for construction jobs and projects. Terminology, software options, and general requirements will be explored. Modeling of real-world experiences will include a project bid and formal "mock" bid opening.

ENGINEERING: ELECTRICAL Courses

EEL 2948  Service Learning Field Study I
1-3 sh (may be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.

EEL 3111  Circuits I
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313, PHY 2049
Co-requisite: EEL 3117L, EGN 3203
Basic Analysis of DC and AC electric circuits. A grade of "C" or better is required in the prerequisite(s).

EEL 3112  Circuits II
3 sh (may not be repeated for credit)
Prerequisite: EEL 3111 and MAP 2302
Co-requisite: EGM 4313
Continuation of EEL 3111 with emphasis on circuit applications of convolution, the Fourier series, and the Laplace and Fourier transforms. A grade of "C" or better is required in the prerequisite(s).

EEL 3117L  Electrical Circuits Laboratory
1 sh (may not be repeated for credit)
Prerequisite: EEL 3111
Co-requisite: EEL 3111
Introductory electrical engineering laboratory in electrical instrumentation, devices, and systems. Material and Supply Fee will be assessed. Credit may not be received in both EEL 3117L and EEL 3303L.

EEL 3135  Discrete-Time Signals and Systems
3 sh (may not be repeated for credit)
Prerequisite: EGN 3203 or EEL 4834 with a "C" or better
Co-requisite: EEL 3112 with a grade of "C" or better
Difference equations, discrete convolutions, the z transform, discrete and fast Fourier transforms, digital processing of analog signals, sampling theorem, probability and random signals.
EEL 3211  Basic Electric Energy Engineering
3 sh (may not be repeated for credit)
Prerequisite: EEL 3111
Co-requisite: EEL 3112
Analysis and modeling of power system components. Magnetic circuits, energy conservation, transformers, AC and DC rotating machines. A grade of “C” or better is required in the prerequisite(s).

EEL 3472  Electromagnetic Fields and Applications I
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312 and PHY 2049; both with a grade of C or better
Electric and magnetic fields and forces, Maxwell’s equations in point and integral form, plane wave propagation, energy and power.

EEL 3473  Electromagnetic Fields and Applications II
3 sh (may not be repeated for credit)
Prerequisite: EEL 3472
Maxwell’s equations, electromagnetic wave propagation in different media, antennas, waveguides, numerical methods, electromagnetic coupling. A grade of “C” or better is required in the prerequisite(s).

EEL 3701  Digital Logic and Computer Systems
3 sh (may not be repeated for credit)
Prerequisite: MAC 1114
Co-requisite: EEL 3701L
An overview of logic design, algorithms, computer organization, sequential circuit design, and computer engineering technology.

EEL 3701L  Digital Logic and Computer Systems Laboratory
1 sh (may not be repeated for credit)
Co-requisite: EEL 3701
Practical applications of digital logic. Material and Supply Fee will be assessed.

EEL 4213  Electric Energy Systems I
3 sh (may not be repeated for credit)
Prerequisite: EEL 3211
System models for generators, transformers, transmission lines and large-scale power networks. Matrix formulations, power flow and analysis, symmetrical component theory, balanced and unbalanced fault analysis. A grade of “C” or better is required in the prerequisite(s).

EEL 4242  Power Electronic Circuits
3 sh (may not be repeated for credit)
Prerequisite: EEE 3308 with a grade of C or better.
Circuit topologies, analysis, design, and simulation of electronic circuits such as power supplies and motor drives. A grade of "C" or better is required in the prerequisite(s).

EEL 4242C  Power Electronic Circuits
3 sh (may not be repeated for credit)
Prerequisite: EEE 3308
Circuit topologies, analysis, design and simulation of electronic circuits such as power supplies and motor drives. A grade of "C" or better is required in the prerequisite(s).

EEL 4283  Introduction to Renewable Energy
3 sh (may not be repeated for credit)
Prerequisite: ENC 1102, PHY 2049, CHM 2045 with C or better
The main objective of this course is to study the different types of energy sources and storages, renewable energy systems, energy distribution, energy policy and management. Computer-aided analysis of renewable energy resource information and data for evaluating energy potential and energy costs.

EEL 4514  Communication Systems and Components
3 sh (may not be repeated for credit)
Prerequisite: EEL 3112, EEL 3135, EGM 4313
Co-requisite: EEL 4514L
Theory of communication, and applications to radio, television, telephone, satellite, cellular telephone, spread spectrum, and computer communication systems. A grade of "C" or better is required in the prerequisite(s).

EEL 4514L  Communication Laboratory
1 sh (may not be repeated for credit)
Prerequisite: EEE 4308L with C or better
Co-requisite: EEL 4514
Experiments with communication circuits and radio frequency instruments, devices, and measurements. Material and Supply Fee will be assessed.

EEL 4515  Digital Communications
3 sh (may not be repeated for credit)
Prerequisite: EEL 3112, EEL 3135, STA 4321, EGM 4313. All prerequisites must be completed with a "C" or better.

EEL 4516  Communication Systems and Components
3 sh (may not be repeated for credit)
Prerequisite: EEL 3112, EEL 3135, STA 4321, EGM 4313. All prerequisites must be completed with a "C" or better.

EEL 4517  Communication Systems and Components
3 sh (may not be repeated for credit)
Prerequisite: EEL 3112, EEL 3135, STA 4321, EGM 4313. All prerequisites must be completed with a "C" or better.

EEL 4610  State Variables and Control
3 sh (may not be repeated for credit)
Prerequisite: EEL 4516 with a grade of "C" (2.0/4.0) or better.
Development of state-variable approach to linear continuous-time and discrete-time systems with emphasis on the design of feedback control system including stabilizing compensators, state estimators and controllers for tracking and disturbance rejection. A grade of "C" or better is required in the prerequisite(s). Material and Supply Fee will be assessed.

EEL 4615  Digital Control Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 4610 with a grade of "C" (2.0/4.0) or better.
A study of the digital computer as a control element, classical sampled data control theory, and application with microcomputers. A grade of "C" or better is required in the prerequisite(s). Material and Supply Fee will be assessed.

EEL 4635  Digital Control Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 3135, EEL 3701, EEL 4657
A study of the digital computer as a control element, classical sampled data control theory, and application with microcomputers. A grade of "C" or better is required in the prerequisite(s). Material and Supply Fee will be assessed.

EEL 4657  Linear Control Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 4615 with a grade of "C" (2.0/4.0) or better.
A study of the digital computer as a control element, classical sampled data control theory, and application with microcomputers. A grade of "C" or better is required in the prerequisite(s). Material and Supply Fee will be assessed.
EEL 4657L  Linear Controls Laboratory
1 sh (may not be repeated for credit)
Co-requisite: EEL 4657
Practical applications of linear control theory.

EEL 4663  Elements of Robotics
3 sh (may not be repeated for credit)
Prerequisite: EEL 3112
An introductory course in the multidisciplinary field of robotics with
analysis and design of robots and robotic tasks. Includes class projects
in robot programming and design. A grade of "C" or better is required
in the prerequisite(s). Material and Supply Fee will be assessed.

EEL 4712  Digital Design
3 sh (may not be repeated for credit)
Prerequisite: EEL 4744
Co-requisite: EEL 4712L
Advanced modular logic design, design languages, "finite" state
machines and binary logic. A grade of "C" or better is required in the
prerequisite(s).

EEL 4712L  Digital Design Laboratory
1 sh (may not be repeated for credit)
Prerequisite: EEL 4744L
Co-requisite: EEL 4712
Design and applications of advanced digital logic using VHDL. A grade
of "C" or better is required in the prerequisite(s). Material and Supply
Fee will be assessed.

EEL 4713  Digital Computer Architecture
3 sh (may not be repeated for credit)
Prerequisite: EEL 4744
The use of electronic digital modules to design computers.
Organization and operation of computers. Hardware/software trade-
offs. Design of computer interfacing. A grade of "C" or better is
required in the prerequisite(s).

EEL 4713L  Digital Computer Architecture Lab
1 sh (may not be repeated for credit)
Prerequisite: EEL 3701 and EEL 3701L
Co-requisite: EEL 4713
Computer design and organization. A grade of "C" or better is required
in the prerequisites. Material and Supply Fee will be assessed.

EEL 4744  Microprocessor Applications
3 sh (may not be repeated for credit)
Prerequisite: EEL 4834 and EEL 3701 with a grade of "C" or better
(2.0/4.0).
Elements of microprocessor-based systems; hardware interfacing
and software design for their application. A grade of "C" or better is
required in the prerequisite(s).

EEL 4744L  Microprocessor Applications Laboratory
1 sh (may not be repeated for credit)
Prerequisite: EEL 3701L, EEL 4834
Co-requisite: EEL 4744
Practical applications of microprocessor-based systems, software
and hardware interface. A grade of "C" or better is required in the
prerequisites. Material and Supply Fee will be assessed.

EEL 4759  Digital Image Processing
3 sh (may not be repeated for credit)
Prerequisite: EGN 3203 and EEL 3112 with a grade of C or better, or
permission of the instructor
An introduction to digital images and digital image processing
techniques, including frequency and spatial image enhancement,
image restoration, wavelets and morphology.

EEL 4834  Programming for Engineers
3 sh (may not be repeated for credit)
Prerequisite: MAC 1114 with a grade of C or better.
Co-requisite: MAC 2311
Develop computer skills and art of writing good computer programs
using a high level programming language like C. Examples and
exercises relevant to Electrical Engineering are used.

EENG 1002  Introduction to Engineering
1 sh (may not be repeated for credit)
Introduces the student to engineering topics and guides the student
toward Electrical and Computer Engineering at UWF. Students get
the opportunity to interact with current engineering students and
practicing engineers from various engineering fields. The student also
participates in a hands-on design component. The goal of the class is
to help the student make an informed choice about career alternatives.
EGN 1008C  Concepts in Engineering
3 sh (may not be repeated for credit)
Stimulate and maintain the student's interest in the field of engineering. Provides an insight into the various fields of engineering as well as the appropriate computational skills required for success in subsequent courses in their respective engineering program.

EGN 1945  Industrial Practicum
0-1 sh (may be repeated for up to 2.0 sh of credit)
Prerequisite: 30 Semester Credit Hours
Engineering practice in local industry. Course cannot be used for credit towards an engineering degree. Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.

EGN 2414C  Introduction to Engineering Design and Practice
3 sh (may not be repeated for credit)
Understand basic project design from initiation to fruition. The student will have worked with other engineers and will have decided if engineering is a viable option as a career.

EGN 3203  Engineering Software Tools
1 sh (may not be repeated for credit)
Prerequisite: MAC 2312
Gives students an introduction to important Engineering software tools such as MATLAB, Labview, MATHCAD, and FSPICE.

EGN 4032  Professional Ethics
3 sh (may not be repeated for credit)
Prerequisite: Junior standing; ENC 1102
An interactive study of ethics, theory and the development of professionalism. Case studies of ethical conflicts in engineering practice. Covers engineering codes of ethics and requires students to resolve theoretical situations through application of ethical codes.

EGN 4410  Capstone Design I
1 sh (may not be repeated for credit)
Preliminary work on senior design project. This portion of the senior design will focus on the objectives and criteria, synthesis, and analysis elements of project development. After developing design concepts, researching for implementation methods, and performing a feasibility study (which will include economic, social, ethical, etc., factors), the semester will culminate with a senior design project proposal and presentation.

EGN 4411L  Capstone Design II
2 sh (may not be repeated for credit)
Prerequisite: EGN 4410 (with a grade of C or better)
Continuation of Capstone Design I, with emphasis on construction, testing, and evaluation elements of project development. Material and Supply fee will be assessed. Permission is required.

ENGINEERING: SCIENCE Courses

EGM 2500  Engineering Mechanics-Statics
2 sh (may not be repeated for credit)
Prerequisite: PHY 2048
Co-requisite: MAC 2313
Covers basic aspects of reduction of force systems, equilibrium of particles and rigid bodies, vector methods, and application to structures and mechanisms.

EGM 3401  Engineering Mechanics-Dynamics
3 sh (may not be repeated for credit)
Prerequisite: EGM 2500 and MAC 2313
Covers material of EGM 3400 plus extended coverage of three dimensional rigid-body dynamics and of orbital motion.

EGM 4313  Intermediate Engineering Analysis
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313 with a grade of "C" or higher
Co-requisite: MAP 2302 (can be taken prior to or at the same time as EGM 4313)
Engineering applications of linear algebra, vector differential, calculus (including the concepts of gradient, divergence, and curl), complex variables (and functions of complex variables), and fourier series. Engineering applications of statistics.

ENGINEERING: SUPPORT Courses

EGS 3613  Principles of Engineering Economy
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Time value of money and discounted cash flow. Cost comparison of alternatives involving depreciation, taxes, inflation and profitability. Financial statements, break-even and minimum cost analysis and economic optimization.

ENGLISH COMPOSITION Courses

ENC 1101  English Composition I
3 sh (may not be repeated for credit)
Guided practice in critical thinking and the writing process for various rhetorical situations. Documented paper is included. Requires additional work in the Writing Center. (Gordon Rule Course: Wrtg) and (General Studies Course: COM/C1).

ENC 1102  English Composition II
3 sh (may not be repeated for credit)
Prerequisite: ENC 1101
Continuation of ENC 1101, with emphasis on complexities of style and rhetorical strategies. Documented paper is included. Course requires additional work in the Writing Center. (Gordon Rule Course: Wrtg), and (General Studies Course: COM. C2).

ENC 3240  Technical Writing
3 sh (may not be repeated for credit)
Practice in preparing documents used in science, business, industry, and government, including letters, manuals, reports and proposals. (Gordon Rule Course: Wrtg).

ENC 3250  Professional Writing
3 sh (may not be repeated for credit)
Prerequisite: Grade of "C" in both ENC 1101 and ENC 1102
Professional writing course relevant in business, industry, government, and other institutional settings; major elements of written organizational communication with emphasis on composition of letters, memos, proposals, etc. (Gordon Rule Course: Wrtg).

ENC 4940  Writing and Editing Internship
3-6 sh (may be repeated for up to 6.0 sh of credit)
Students will be involved in all aspects of publishing magazines, brochures, and newspapers. They will research assigned topics, conduct interviews, write feature articles, edit and proof-read articles, and participate in editorial discussions. Permission is required.
ENL 4251  Topics in Victorian Literature
3 sh (may not be repeated for credit)
Covers the period leading up to and including the reign of Queen Victoria of England (1837-1901). Literary works will be considered in the context of numerous cultural transformations underway during the period.

ENL 4284  Topics in 20th-Century and Contemporary British Literature
3 sh (may not be repeated for credit)
Covers representative works from all genres written from 1900 to the present by authors living in the British Empire. Emphasis will be placed on Modernist and Postmodernist works.

ENL 4311  Chaucer
3 sh (may not be repeated for credit)
Canterbury Tales read in Middle English.

ENL 4333  Shakespeare
3 sh (may not be repeated for credit)
Selected comedies, histories and tragedies.

ENL 4341  Milton
3 sh (may not be repeated for credit)
Major and selected poems; emphasis on reading of Paradise Lost.

ENL 5206  Old English Language
3 sh (may not be repeated for credit)
Language instruction for speaking, writing, and reading Old English.

ENL 5297  Topics in British Literature to the Romantics
3 sh (may be repeated for up to 12.0 sh of credit)
Studies in major figures or movements in British literature until 1789.

ENL 5298  Topics in British Literature from the Romantics to Present
3 sh (may be repeated for up to 12.0 sh of credit)
Studies in major figures or movements in British literature from 1789. Topics change each term. See department or instructor for specific topic.

ENGLISH: GENERAL Courses

ENG 3010  Critical Methods for Literary Study
3 sh (may not be repeated for credit)
Development of writing and critical thinking skills specific to the study of literature. English majors and minors only. Credit may not be received in both ENG 3010 and ENC 3320. (Gordon Rule course: Wrtg).

ENG 3113  Fiction and Film
3 sh (may not be repeated for credit)
Selected prose fiction and film adaptations.

ENG 3843  Theories of Sexuality and Gender
3 sh (may not be repeated for credit)
Examines sexuality and gender as social constructs as opposed to "natural" categories or "essences." Includes feminism, gay and lesbian studies, and masculinity studies. Draws on many disciplines, including literature, history, sociology, anthropology, philosophy, and the sciences.
ENG 4013 Introduction to Literary Theory  
3 sh (may not be repeated for credit)

Designed to provide an introduction to a wide range of current theories about the uses and effects of literature and literary criticism. Primarily for English majors and minors. Meets Multicultural requirement.

ENG 4060 History of the English Language  
3 sh (may not be repeated for credit)

Presents the history of the development of the English language, internal and external, from Indo-European roots to the present.

ENG 4934 Capstone Experience  
3 sh (may not be repeated for credit)

Prerequisite: 12 hours of upper division coursework in English; at least 6 of those hours must have been at the 4000 level.

Covers a wide range of literary genres and works that have been considered controversial at some point in their history because of their subject matter, form, or style. Changing attitudes toward what is considered "literature" or "literary" will be emphasized. Required texts will vary according to instructor's expertise. Permission is required.

ENG 5009 Introduction to Advanced Literary Study  
3 sh (may not be repeated for credit)

Examination of the history and current state of literary studies and introduction to current methods and resources necessary for advanced literary studies.

ENG 5067 History of the English Language  
3 sh (may not be repeated for credit)

Presents the history of the development of the English language, internal and external, from Indo-European roots to the present.

ENG 6018 History of Literary Theory  
3 sh (may not be repeated for credit)

Prerequisite: ENG 5009

Survey of literary theory from Plato to contemporary thought.

ENG 6019 Topics in Literary Theory  
3 sh (may not be repeated for credit)

Prerequisite: ENG 5009 and ENG 6018

Topics in literary theory.

ENG 6971 Thesis  
1-6 sh (may be repeated for up to 12.0 sh of credit)

Graded on satisfactory/unsatisfactory basis only. Permission is required.

EVS 6940 Internship  
1-3 sh (may be repeated for up to 6.0 sh of credit)

Supervised and structured participation in environmental work experience in the private, government, or educational sectors. Permission is required.

EVS 6971 Thesis  
1-6 sh (may be repeated for up to 12.0 sh of credit)

Graded on satisfactory/unsatisfactory basis only. Permission is required.

ENVIRONMENTAL STUDIES Courses

EVR 3894 Environmental Writing  
3 sh (may not be repeated for credit)

Prerequisite: ENC 1101 and ENC 1102

Practice in the scientific methods, research approaches, reference styles, grantsmanship, and technical writing in the environmental sciences. (Gordon Rule Course: Wrtg).

EVR 4023 Coastal and Marine Environments  
3 sh (may not be repeated for credit)

Prerequisite: GLY 2010, GLY 2010L or GEO 1200, GEO 1200L. Junior Standing.

The world's ocean and its marine environments such as beaches, estuaries, coral reefs, upwelling areas, and hydrothermal vents. The physical, chemical, and biologic components that make each environment unique. Case studies of the environmental impact of anthropogenic and natural phenomena based on readings of scientific papers.

EVR 4035 Environmental Law  
3 sh (may not be repeated for credit)

Overview of current local, state and federal laws relating to the environment. Includes the legal history of current laws and case studies.
EVR 4037 Environmental Auditing
3 sh (may not be repeated for credit)
Prerequisite: 60 semester hours required
Overview of the evolution of environmental regulations and the adoption of environmental initiatives by the private business sector. Compliance audits, property assessments, and contingent liability audits will be conducted.

EVR 4050 Environmental Field Research
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: 60 semester hours; either GEO 1200/L or GLY 2010/L
Environmental and geographic sciences field study. Students work with scientists collecting discrete samples and conducting field surveys, use GIS/MIS technology, and analyze results. Fieldwork will be coordinated with non-university research agencies. Permission is required. Offered concurrently with EVR 5061; graduate students will be assigned additional work.

EVR 4412 Environmental Aspects of Urban Growth
3 sh (may not be repeated for credit)
The purpose is to examine urban areas as they have sprawled out over green landscapes during the past century and left behind a legacy of environmentally distressed properties and broken communities. Emphasis is upon community-based action to deal with local situations, using as a base the experiences of communities throughout the United States. Offered concurrently with EVR 5413; graduate students will be assigned additional work. Senior standing is required.

EVR 4823 Environmental Impact Assessment
3 sh (may not be repeated for credit)
Environmental Impact Assessment (EIA) is a process to assure disclosure of environmental consequences before human actions are taken. This course introduces students to the legal, scientific, and administrative considerations and procedures that define the EIA process in completing an Environmental Impact Statement (EIS). The course focuses on the concept of environmental impact and the techniques and responsibilities as set forth in the National Environmental Policy Act of 1970 as amended. Offered concurrently with EVR 5824; graduate students will be assigned additional work.

EVR 4870 Urban Planning
3 sh (may not be repeated for credit)
Prerequisite: GEO 3372 or GLY 3031C
This course examines the interactions between physical and human landscapes that have produced a 'third dimension' of geography: the legal landscape. We will analyze the role of law and land-use management (i.e., planning) techniques as major factors in determining how humans use resources and design our patterns of settlement. The course reviews the evolution of public control over land use in the U.S., from its roots in English common law and feudal land organization strategies, through the institution of urban planning and zoning, to contemporary managers. Whenever possible, current land-use issues from the Pensacola region are incorporated in class discussion. Students are exposed to a number of critical U.S. Supreme Court opinions on major land-use cases.

EVR 4941 Practicum in Environmental Studies
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: GEO 3372, GLY 3031C
Supervised field experience in business, government, non-profit, educational or other environmental organizations. Offered concurrently with EVR 5332; graduate students will be assigned additional work. Permission is required.

EVR 4970 Senior Thesis in Environmental Science
3 sh (may not be repeated for credit)
Prerequisite: Completion of junior year required.
Students will propose, design, and perform a research project in consultation with a UWF professor, who will serve as research supervisor. Research will be summarized and presented within the department and University. Permission is required.

EVR 5061 Environmental Field Research
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: GEO 2330, GEO 3372
Environmental and geographic sciences field study. Students work with scientists collecting discrete samples and conducting field surveys, use GIS/MIS technology, and analyze results. Fieldwork will be coordinated with non-university research agencies. Permission is required. Offered concurrently with EVR 4050; graduate students will be assigned additional work.

EVR 5332 Practicum in Environmental Studies
0.5 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: Graduate Standing
Supervised field experience in business, government, nonprofit, educational or other environmental organizations. Offered Summer term only. Offered concurrently with EVR 4941; graduate students will be assigned additional work. Permission is required.

EVR 5413 Environmental Aspects of Urban Growth
3 sh (may not be repeated for credit)
The purpose is to examine urban areas as they have sprawled out over green landscapes during the past century and left behind a legacy of environmentally distressed properties and broken communities. Emphasis is upon community-based action to deal with local situations, using as a base the experiences of communities throughout the United States. Offered concurrently with EVR 4412; graduate students will be assigned additional work. Graduate status is required.

EVR 5824 Environmental Impact Assessment
3 sh (may not be repeated for credit)
Environmental Impact Assessment (EIA) is a process to assure disclosure of environmental consequences before human actions are taken. This course introduces students to the legal, scientific, and administrative considerations and procedures that define the EIA process in completing an Environmental Impact Statement (EIS). The course focuses on the concept of environmental impact and the techniques and responsibilities as set forth in the National Environmental Policy Act of 1970 as amended. Offered concurrently with EVR 4823; graduate students will be assigned additional work.

EVR 6930 Special Topics in Environmental Sciences
3 sh (may be repeated for up to 9.0 sh of credit)
Covers various advanced subjects in the environmental sciences, depending on the specialization of the instructor. Topics include environmental pedagogy, coastal meteorology, groundwater modeling, etc. Graduate-level standing is required.
EUROPEAN HISTORY Courses

EUH 1000 Western Perspectives I
3 sh (may not be repeated for credit)
Study of the West’s geographical, cultural, political, and economic environments, with an emphasis on how the development of the Western World is part of a larger process of historical development. (General Studies Course: SS/HIS) Meets Multicultural requirement.

EUH 1001 Western Perspectives II
3 sh (may not be repeated for credit)
Study of the West’s geographical, socio-cultural, political and scientific developments with an emphasis on how changes in these areas helped to shape civilization in the West, influenced the non-western world, and provided insight into the current conditions in the West and its relationship with the global community. (General Studies Course: SS/HIS) Meets Multicultural requirement.

EUH 3121 Fall of Rome, Birth of Europe
3 sh (may not be repeated for credit)
Analysis of the continuity and changes in the social, religious, and political life of what constituted Rome’s empire following its decline. Study of the converging cultures that created Europe. Covers the period 400-1050.

EUH 3122 High Middle Ages
3 sh (may not be repeated for credit)
Covers the formation of Europe from 1050-1450, a period of dramatic change. Dispels the notion of the “Dark Ages” by analyzing social alignments, religious reform, the rise of universities, economic advancement, and the development of constitutional forms of government.

EUH 3200 Early Modern Europe
3 sh (may not be repeated for credit)
Developing nations emphasizing political, social, economic, cultural and intellectual aspects of Europe from 1500 through French Revolution and Napoleonic period.

EUH 3203 Modern Europe
3 sh (may not be repeated for credit)
European history since 1815, emphasizing contemporary problems, their historical development and interpretations. Meets Multicultural requirement.

EUH 3280 The Second World War
3 sh (may not be repeated for credit)
Examines the military, social, political, diplomatic, cultural, and economic aspects of the Allied and Axis powers on all fronts of World War II.

EUH 3411 Rome and the Mediterranean World
3 sh (may not be repeated for credit)
The development of Rome from a tiny town to its domination of the entire Mediterranean. Focuses on the structures of family, government, and military that allowed for this ascendency. Includes Rome’s cultural evolution, social relationships, wealth, and women’s roles. Meets Multicultural requirement.

EUH 3502 England Since 1485
3 sh (may not be repeated for credit)
Political, social, cultural and intellectual history of England in modern period stressing growth and development of Britain and Empire/ Commonwealth in contemporary world.

EUH 3570 Russia to 1917
3 sh (may not be repeated for credit)
Beginning with the formation of Kievan Russia in the 10th century, traces the history of Russia until the October Revolution of 1917. Topics considered include the Mongol yoke, the expansion of Muscovy, imperial Russia, the rise of socialism, and the First World War.

EUH 3576 Soviet Union since 1917
3 sh (may not be repeated for credit)
Starting with the October Revolution of 1917, this course traces the history of the Soviet Union through its disintegration in the early 1990s. Topics considered include War Communism, Lenin’s New Economic Policy, Stalinism, the Khrushchev and Brezhnev eras, Gorbachev’s reforms, the collapse of the Soviet Union, and the emergence of successor states. Meets Multicultural requirement.

EUH 4142 Renaissance and Reformation
3 sh (may not be repeated for credit)
A topical introduction to the major changes affecting European society from 1300 to 1650. Focuses on economic change, social stratification, cultural diffusion, political rivalries, and religious crossroads. Special coverage of consumerism, social welfare, education, toleration, and women and families.

EUH 4190 Age of Discovery
3 sh (may not be repeated for credit)
In the late fifteenth through the seventeenth century Europeans set sail beyond known coastlines to explore new trade routes to Africa, Asia, and the New World. Examines European expansion in maritime history and explores factors that allowed for voyages of discovery, the voyages themselves, and the results of initial cultural contact.

EUH 4239 Europe’s Expansion Overseas
3 sh (may not be repeated for credit)

EUH 4242 The First World War
3 sh (may not be repeated for credit)
Origins, evolution and consequences of World War I. Emphasis on European affairs and how they affected the cultural, military, and political environment of the early 20th Century. Special emphasis on Imperial Germany’s culture of militarism, the web of alliances between nations, and how the arms race between the great powers resulted in conflict in Europe. Additionally, the technology, conduct, and developments of the war will be examined and discussed. Offered concurrently with EUH 5246; graduate students will be assigned additional work.

EUH 4245 Interwar Europe 1918-1939
3 sh (may not be repeated for credit)
Examines events in selected countries of Europe between the First and Second World Wars. Lectures and readings will consider many aspects of European life, with an emphasis on political, economic, and social issues. In each section, the focus will be on how states cultivated or failed at maintaining representative democracy.
EUH 4334  Czechs and Slovaks in the Modern Era  
3 sh (may not be repeated for credit)  
Located in the heart of Europe, the Czechs and Slovaks are an integral  
part of European history. Examines these two Slavic ethnic groups,  
beginning in the middle ages. It will consider the Bohemian kingdom,  
the Slovaks under the Hungarians, and the separate development of  
the Czechs and Slovaks in the Habsburg Monarchy. Most of the  
course will focus on the late nineteenth and twentieth centuries,  
when the two ethnic groups experienced interrupted state-building  
experiences. Through the history of the Czechs and Slovaks, students  
will achieve a better understanding of East-Central Europe and the  
Balkan states as these regions build market economics and pluralistic  
democratic political systems.

EUH 4462  Germany since 1866  
3 sh (may not be repeated for credit)  
Beginning with unification of Germany between 1866 and 1871, this  
course will consider the history of imperial Germany, the Weimar  
Republic, the Third Reich, divided Germany after 1945, and Germany’s  
reunification in 1989-90.

EUH 4465  Nazi Germany  
3 sh (may not be repeated for credit)  
Origins, evolutions and consequences of the rise of Nazi Germany,  
ascendancy of Adolf Hitler and subsequent erosion of traditional  
European culture. Various military and political leaders who served  
predominate roles within the Third Reich will be studied and discussed,  
as well as the myriad paramilitary organizations within the Nazi Party.  
Offered concurrently with EUH 5467; graduate students will be  
assigned additional work.

EUH 4503  English Constitutional and Legal History  
3 sh (may not be repeated for credit)  
English constitutional history from Anglo-Saxon period to present;  
emphasis upon historical development of English governmental  
institutions (e.g. parliament, monarchy and legal system), interpretation  
of their interrelationship and their overall impact upon English nation.  
Much use of primary sources.

EUH 4511  Tudor and Stuart England  
3 sh (may not be repeated for credit)  
England at home and in international relations during the Tudor  
and Stuart dynasties (1485-1714). Strong emphasis on overall  
development and use of primary sources. Offered concurrently with  
EUH 5517; graduate students will be assigned additional work.

EUH 4521  Victorian England  
3 sh (may not be repeated for credit)  
England and British Empire in 19th century: emphasis upon economic,  
social, cultural and constitutional history.

EUH 4535  England and America from the Colonial Period to Present  
3 sh (may not be repeated for credit)  
Intensive study and analysis of the social, cultural, economic and  
political forces which served both England and America during the  
first two centuries of the British empire. Offered concurrently with  
EUH 5539; graduate students will be assigned additional work.

EUH 4541  The Scottish Enlightenment  
3 sh (may not be repeated for credit)  
Examines the political, social, economic, philosophical, cultural, and  
religious developments unique to 18th century Scotland. Known widely  
as the Scottish Enlightenment, the events, ideas, and individuals that  
defined this unique and influential phenomenon will also be studied  
in light of the larger enlightenment concomitantly consuming the  
continent of Europe, and the pivotal impact the Scots had on the  
development of the American colonies and the American founding.

EUH 4545  British Political Thought in the Early Modern Era  
3 sh (may not be repeated for credit)  
The development of political thought in the British Isles during the  
Tudor, Stuart, and Hanoverian periods, from the accession of Henry  
VIII to the death of George IV.

EUH 4563  Habsburg Monarchy 1526-1918  
3 sh (may not be repeated for credit)  
Examines the Habsburg Monarchy from its inception to its demise  
at the end of the First World War. Covers the rise of the monarchy,  
dynastic affairs of the Habsburgs, problems of political integration,  
the Monarchy as a bastion against the Islamic Turks, the age of  
The Counter Reformation and the Baroque, Metternich’s diplomacy  
after the Napoleonic Wars, economic development, constitutional  
difficulties, nationality problems, Viennese culture around 1900, and  
the Monarchy’s dissolution.

EUH 4614  Medieval Women  
3 sh (may not be repeated for credit)  
Survey of the experiences of women from the beginning of the  
Christian era through the Reformation. Focuses on Western Europe  
and pays particular attention to the social construction of sexuality,  
the definition of separate spheres, and the roles of law, medicine, and  
especially the Church in defining women’s work, and social and family  
roles.

EUH 4640  European Agrarian and Social History  
3 sh (may not be repeated for credit)  
Focuses on the life of peasants and farmers throughout Europe from  
the seventeenth century until the present to see how agriculturalists  
survived on the land, interacted with other social classes, contended  
with industrialization and urbanization, immigrated to the New World,  
and participated in all sorts of political systems (democratic, dictatorial,  
fascist, and communist). The final portion will consider the farmer’s  
role in the European Union. Special sections will deal with folk art and  
music, food, literature, and other aspects of rural culture.

EUH 5246  The First World War  
3 sh (may not be repeated for credit)  
Examines the role of the United States in World War I. Emphasis is  
on European affairs and how they affected the cultural, military, and  
political environment of the early 20th Century. Special emphasis on  
the political environment of the early 20th Century. Special emphasis on  
Imperial Germany’s culture of militarism, the web of alliances between  
nations, and how the arms race between the great powers resulting  
in conflicts in Europe. Additionally, the technology, conduct, and  
developments of the war will be examined and discussed. Offered  
currently with EUH 4242; graduate students will be assigned  
additional work.
EUH 5287  The Second World War
3 sh (may not be repeated for credit)
The general objective of this course is to provide students with a deeper knowledge of the origins, evolution, and consequences of World War II.

EUH 5467  Nazi Germany
3 sh (may not be repeated for credit)
Origins, evolution, and consequences of the rise of Nazi Germany, ascendance of Adolf Hitler and subsequent erosion of traditional European culture. Military and political leaders who served predominate roles within the Third Reich will be studied and discussed, as with the myriad para-military organizations within the Nazi Party. Offered concurrently with EUH 4465; graduate students will be assigned additional work.

EUH 5517  Tudor and Stuart England
3 sh (may not be repeated for credit)
England at home and in international relations during the Tudor and Stuart dynasties (1485-1714). Strong emphasis on overall development and use of primary sources. Offered concurrently with EUH 4511; graduate students will be assigned additional work.

EUH 5539  England and America from the Colonial Period to the Present
3 sh (may not be repeated for credit)
Intensive study and analysis of the social, cultural, economic and political forces which served both England and America during the first two centuries of the British Empire. Offered concurrently with EUH 4535; graduate students will be assigned additional work.

EUH 6295  Seminar: Interpretation of European History 1648-Present
3 sh (may not be repeated for credit)
Advanced seminar in historiography of European history from the end of the Thirty Years War to the present. Focus is on the interpretation of historical writing on specific topics during the Early Modern periods of European history.

EUH 6338  Seminar: East Central Europe and the Balkans
3 sh (may not be repeated for credit)
Students will examine a specific aspect of a state, ethnic group, or region in East-Central Europe and the Balkans since 1815. Requires readings and reports, but the largest portion of the grade is based on an analytical research paper using primary and secondary sources.

EUH 6666  European Ideologies and Political Movements Since 1789
3 sh (may not be repeated for credit)
Examines the great political ideologies, movements, and theories that shaped not only European affairs but Western thought as a whole from the time of the French Revolution to the present.

EXPERIMENTAL ANALYSIS OF BEHAVIOR Courses

EAB 4704  Introduction to Behavior Modification
3 sh (may not be repeated for credit)
Principles and practical application of behavior modification techniques in a wide variety of settings: school, home, medical and business. Especially appropriate for non-psychology majors.

EAB 5705  Advanced Behavior Modification
3 sh (may not be repeated for credit)
Prerequisite: EXP 4404, or an undergraduate degree in Psychology
Experimental psychology literature surveyed for relevant theories and techniques for dealing with problems in human behavior in a variety of settings including home, school, business and clinic.

EAB 5738  Behavioral Medicine
3 sh (may not be repeated for credit)
Application of psychological expertise to problems in medicine.
Emphasis primarily on role of behavioral principles and techniques in the treatment of medically related complaints and traditional psychosomatic disorders.

EXPERIMENTAL PSYCHOLOGY Courses

EXP 4204  Sensation and Perception
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012, STA 2023, PSY 3213, PSY 3215
Will survey the theory and literature related to the study of sensation and perception. Topics will include the neural mechanisms involved in coding sensory information, visual processing, audition, speech perception, cutaneous and chemical senses, development of perceptual processes, and impairment of vision and hearing.

EXP 4250  Human Factors Psychology
3 sh (may not be repeated for credit)
Surveys the field of human factors psychology. Specifically, the principles of psychology from various specialty areas (e.g., cognitive, experimental, industrial/organizational, physiological etc.) will be applied to the study of human performance in work settings. Students will learn how work is designed to capitalize on cognitive and physical capabilities and compensate for human limitations. Students will also become familiar with the tools and techniques that human factors psychologists use to study human-machine interaction and work design. Offered concurrently with EXP 5256; graduate students will be assigned additional work.

EXP 4404  Psychology of Learning
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012
Principles and applications of learning theories, including conditioning and extinction, reinforcement and punishment, attention, memory, cognitive processes and physiological correlates of memory and cognition. It is preferred that the student has had several other psychology courses.

EXP 4507  Memory and Cognition
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012, STA 2023, PSY 3213, PSY 3215
Will Survey theory and literature related to the study of human memory and cognition. Topics will include attention, memory, imagery, language and bilingualism, problem solving, metamemory, expertise, and the development of language and cognitive processes.
EXP 4507L Laboratory in Memory and Cognition
1 sh (may not be repeated for credit)
Prerequisite: STA 2023, EXP 4404
Co-requisite: EXP 4404

Students will learn about the research methods used to investigate
topics in memory and cognition. Students will conduct experiments,
perform statistical analysis appropriate for the data generated, and
prepare brief reports of results using APA style. Students will complete
a final project in which they design and conduct an experiment in the
area of memory and cognition, analyze the data, and prepare an APA
style research report.

EXP 5208 Advanced Sensation and Perception
3 sh (may not be repeated for credit)
Prerequisite: EXP 4204

Students will develop an in-depth understanding of how human
beings use environmental energies to sense and perceive the world.
Topics include the examination of neural systems involved in vision,
audition, somatosensation, olfaction, and gustation. Physiological,
psychophysical, and cognitive research methodologies used to
understand and predict human perception will be discussed.

EXP 5256 Human Factors Psychology
3 sh (may not be repeated for credit)
Surveys the field of human factors psychology. Specifically, the
principles of psychology from various specialty areas (e.g., cognitive,
experimental, industrial/organizational, physiological etc.) will be
applied to the study of human performance in work settings. Students
will learn how work is designed to capitalize on cognitive and physical
capabilities and compensate for human limitations. Students will also
become familiar with the tools and techniques that human factors
psychologists use to study human-machine interaction and work
design. Offered concurrently with EXP 4250; graduate students will be
assigned additional work.

EXP 5575 Judgment and Decision Making
3 sh (may not be repeated for credit)
Seminar on current theories of human judgment and decision making.
Normative models of decision making (based in statistics, philosophy,
psychology, and economics) and descriptive models of decision
making (based in research in cognitive psychology and social
psychology) will be discussed. Naturalistic decision making and
the role of expertise in judgment and decision making will also be
discussed. Topics include judgment and decision making under a
variety of conditions of uncertainty, including aviation, diagnosis and
treatment decision in clinical psychology and medicine, forecasting,
risk assessment, and jury decisions.

EXP 6506 Advanced Cognitive Psychology
3 sh (may not be repeated for credit)
Prerequisite: PSY 3213 and PSY 3215 and EXP 4404; or an
undergraduate degree in Psych

Students will develop a broad understanding of current research
and theorizing in the various topics of memory and cognition,
including attention, memory systems and processes, representation
of knowledge, metamemory, language, problem solving, expertise,
decision making, and creativity. Emphasis will be placed on current
research and theory in human memory cognition. Students will develop
an in-depth understanding of a selected topic in cognition and will write
a literature review paper discussing current research and theory in this
topic.

FILM Courses

FIL 4036 History of Motion Pictures I
3 sh (may not be repeated for credit)
Evolution of film as a dynamic art form and medium of mass
communication. Weekly film screening. Offered concurrently with
FIL 5038; graduate students will be assigned additional work.

FIL 4037 History of Motion Pictures II
3 sh (may not be repeated for credit)
Significant development in world cinema from 1945 to present;
emphasis on major postwar directors and new styles and forms.
Weekly film screenings. Offered concurrently with FIL 5039; graduate
students will be assigned additional work.

FIL 4102 Writing for Film-Television-Radio
3 sh (may not be repeated for credit)
Study and practice of writing for the mass media: screenplays,
teleplays, radio and TV commercials, public affairs. Study of various
script formats, story board and other presentational material. (Gordon
Rule Course: WRTG).

FIL 4117 Advanced Film Writing
3 sh (may not be repeated for credit)
Study and practice of writing full-length feature film script.

FIL 4364 Documentary Film and Television
3 sh (may not be repeated for credit)
Historical and sociological study of the development of documentary
film and television. Includes analysis of documentary film techniques
and viewing of selected documentaries. Offered concurrently with
FIL 5367; graduate students will be assigned additional work.

FIL 4435 Digital Film Making
3 sh (may not be repeated for credit)
Introduction and practice in all three phases of film production: pre-
production planning, scripting, cinematography and editing. Utilization
of digital cameras and non-linear editing. Production of short films by
each student. Offered concurrently with FIL 5437; graduate students
will be assigned additional work. Permission is required.

FIL 4439C Practicum: Film Production
3 sh (may be repeated for up to 10.0 sh of credit)
Prerequisite: FIL 4435

Practical experience in advanced film production. Permission is
required.
Course Descriptions

FIL 4556  Nonlinear Editing  
3 sh (may not be repeated for credit)  
Prerequisite: FIL 4435  
Guides the intermediate filmmaking student through more advanced experiences in analyzing and editing motion picture projects in the digital non-linear environment.

FIL 5038  History of Motion Pictures I  
3 sh (may not be repeated for credit)  
Evolution of film as a dynamic art form and medium of mass communication. Weekly film screening. Offered concurrently with FIL 4036; graduate students will be assigned additional work.

FIL 5039  History of Motion Pictures II  
3 sh (may not be repeated for credit)  
Significant developments in world cinema from 1945 to present; emphasis on major postwar directors and new styles and forms. Weekly film screening. Offered concurrently with FIL 4037; graduate students will be assigned additional work.

FIL 5367  Documentary Film and Television  
3 sh (may not be repeated for credit)  
Historical and sociological study of development of documentary film and television. Includes analysis of documentary film techniques and viewing of selected documentaries. Offered concurrently with FIL 4364; graduate students will be assigned additional work.

FIL 5437  Digital Film Making  
3 sh (may not be repeated for credit)  
Introduction and practice in all three phases of film production: pre-production planning, scripting, cinematography and editing. Utilization of digital cameras and non-linear editing. Production of short film by each student. Offered concurrently with FIL 4435; graduate students will be assigned additional work.

FINANCE Courses

FIN 2104  Personal Financial Planning  
3 sh (may not be repeated for credit)  
Survey of personal financial planning topics. Includes: managing money and credit, personal loans, insurance, investments, home ownership and taxes.

FIN 3244  Financial Markets and Institutions  
3 sh (may not be repeated for credit)  
Prerequisite: (ACG 2071 or ACG 3082), (ECO 2013 and ECO 2023 or ECO 3003)  
Structure and functions of financial markets and institutions; interest rates, exchange rates, intermediation, and markets.

FIN 3403  Managerial Finance  
3 sh (may not be repeated for credit)  
Prerequisite: ACG 2071 or ACG 3082, ECO 2013 and ECO 2023 or ECO 3003, STA 2023  
Analytical concepts available to financial manager in acquisition and effective utilization of funds in relation to other management functions.

FIN 3949  Cooperative Education  
1-2 sh (may be repeated for up to 4.0 sh of credit)  
Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of director of Cooperative Education is required.

FIN 4145  Portfolio Planning for Individual Investors  
3 sh (may not be repeated for credit)  
Portfolio planning for individual investors with emphasis on preparing an individual portfolio containing stocks, bonds, money market securities, and real estate.

FIN 4324  Commercial Bank Management  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 3244, FIN 3403  

FIN 4414  Financial Theory and Practice  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 3403  
Designed as an extension of FIN 3403. Topics such as risk and return, stock and bond valuation, time value of money, and capital budgeting, will be covered in greater depth. New topics will include lease financing, hybrid financing, international finance, et al.

FIN 4424  Problems in Corporate Finance  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 4414, ACG 3101 or ACG 3172  
Cases and readings in corporation finance in areas of capital budgeting, working capital management, capital structure, cost of capital, mergers, reorganizations, and international finance.

FIN 4440  Controllership  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 3403; and either ACG 3111 or ACG 3343  
Introduction to the controllership function within an economic entity. Emphasis is placed upon budgeting and working capital management and control.

FIN 4504  Investments  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 3403  
Introduction to an extensive development of theoretical concepts related to areas of securities analysis and portfolio management.

FIN 4514  Security Analysis and Portfolio Management  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 3244, FIN 4504  
Portfolio construction, management and measurement bridging modern theory and practice.
FIN 4941 Financial Services Internship
1-6 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: FIN 3403
Supervised field practicum in financial services-related position. May include activities in any one or more of the functional areas in financial services (commercial banking, mutual funds and investments, insurance, real estate and personal financial planning). Graded on a satisfactory/unsatisfactory basis only. Permission is required.

FIN 6406 Financial Management
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403 and QMB 6305
Advanced treatment of investment and financing decisions of firms, emphasis on current theory and practice. Course contains a portfolio project. Permission is required.

**FRENCH LANGUAGE Courses**

FRE 1120C French I
4 sh (may not be repeated for credit)
For students with no knowledge of French or with less than two years of high school French. The purpose is to lay a foundation for speaking, writing and reading the language. One hour of lab work is required per week.

FRE 1121C French II
4 sh (may not be repeated for credit)
Continuation of FRE 1120C. One hour of lab work per week is required.

FRE 2200 Intermediate Reading and Translation
3 sh (may not be repeated for credit)
For students who have previous experience in French, but are not yet prepared for advanced work in the language.

FRE 2210 Intermediate Composition & Conversation
3 sh (may not be repeated for credit)
Practical oral communication course for students on an intermediate level. Prepares students for FRE 2200.

FRE 4955 Supervised Foreign Language Field Experience Abroad
1-3 sh (may be repeated for up to 99.9 sh of credit)
Supervised and individualized foreign language experience tailored to each student's individual proficiency needs in language and culture. Permission is required. Meets Multicultural requirement.

**GENERAL BUSINESS Courses**

GEB 1011 Introduction to Business
3 sh (may not be repeated for credit)
Provides in-depth coverage of all aspects of business by presenting an integrated and balanced review of the external and internal forces that comprise business and economic systems. Intended primarily for freshmen/sophomores to assist the student's selection of a business career or business major. (General Studies Course: SS/SOC).

GEB 3004 Career Strategies
2 sh (may not be repeated for credit)
Focuses on students' transition from college to the next step out of college. The mechanics of the job search and preparation for life after college will be discussed. Students will learn proper resume and professional correspondence development, interviewing scenarios, practice the fine art of networking, and develop a job search plan. Other topics such as business etiquette and dress, alternative career paths, and personal financial management/budgets will be discussed. Graded on a Satisfactory/Unsatisfactory basis only.

GEB 3032 Business Foundations for Non-Business Majors
3 sh (may not be repeated for credit)
Provides non-business students a foundation in the functional areas of management, marketing, finance, accounting and economics. Designed to provide students with a knowledge base that will give access to a broad range of upper level business courses. Available only to non-business majors.

GEB 3213 Writing for Business: Theory and Practice
3 sh (may not be repeated for credit)
Prerequisite: ENC 1101, ENC 1102
Augments the basics of business writing while reviewing the various kinds of written business correspondence. Students are expected to integrate ethical decision making skills, word processing skills, grammar and writing skills, and analytical thinking skills into the content. Students must be able to determine solutions to problem based exercises. Team assignments and oral presentations may relate to student's discipline. (Gordon Rule Course: Wrtg).

GEB 3453 Business Ethics and Stakeholder Management
3 sh (may not be repeated for credit)
Prerequisite: ACG 2071, ECO 2023, MAN 3025
Managers are confronted with increasingly complex environments and face challenges trying to balance economic, legal, and ethical responsibilities vis-a-vis the stakeholder groups with which they interact. This course investigates the spectrum of business ethics and social responsibility issues that managers face in today's organizations. Course will be grounded in contemporary events and addresses these challenges from an individual and a managerial perspective.

GEB 4361 International Business
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403, MAN 3025, MAR 3023
Introduces students to the complexities of conducting business on a global scale. Businesses typically develop in a domestic setting and then expand into international commerce. Focuses on the necessary adaptations of business practices for success in global markets. Offered concurrently with GEB 5365; graduate students will be assigned additional work. Meets Multicultural requirement.

GEB 4942 Internship Pensacola: Professional Development Seminar
3 sh (may not be repeated for credit)
Taken in conjunction with an internship. Designed to enhance the internship experience by presenting topics to help students succeed in an internship and career. Seminar format includes discussion of readings, oral presentations, group discussions, role-playing, and in-class reflections. Guest speakers will present in their areas of expertise. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.
**Course Descriptions**

GEB 5509  Interpretation and Application of Generally Accepted Accounting Principles for Not-for-Profit Organizations  
1.5 sh (may not be repeated for credit)  
Prerequisite: GEB 5872

Explores the application of generally accepted accounting principles (GAAP) to Not-for-Profit Organizations (NPO). Analysis of actual NPO financial statements is covered. Students will be exposed to IRS Form 990 and required to compare and contrast the Form presented in the textbook with the latest version of Form 990 released in 2009. Permission is required.

GEB 5870  MBA Foundations: e-Business Systems  
1.5 sh (may not be repeated for credit)  
Prerequisite: GEB 5872, GEB 5875

A course in the Accelerated MBA Foundations Series in which students will gain an understanding of the principles of e-Business systems planning, development, and implementation. The overall objective is to provide a common foundation composed of the fundamental concepts required for the use and application of systems and technologies found in the e-Business environment. Permission is required.

GEB 5871  MBA Foundations: Managerial Economics  
1.5 sh (may not be repeated for credit)  
A course in the Accelerated MBA Foundations Series in which students will gain an understanding of basic economics. Special emphasis will be placed on the determinants of supply and demand and the desirable properties of a competitive equilibrium; followed by the undesirable properties of markets with a monopoly and with externalities. Permission is required.

GEB 5872  MBA Foundations: Financial Management I  
1.5 sh (may not be repeated for credit)  
A course in the Accelerated MBA Foundations Series in which students are introduced to the accounting process of analyzing, measuring, and reporting business activity. Explores the precise language, assumptions, concepts, principles, and logic patterns inherent in the analysis and measurement of business activity. Describes the form and content of major financial statements. Briefly introduces the recording and reporting process used by accounting systems and examines basic financial reporting issues.

GEB 5873  MBA Foundations: Financial Management II  
1.5 sh (may not be repeated for credit)  
A course in the Accelerated MBA Foundations Series in which students who have an understanding of financial accounting are introduced to the business relationships that exist between the generation and use of financial information. Includes the role of accounting in measuring financial performance, an overview of financial management, keys to understanding financial information via financial ratio analysis, effective use of financial analysis, and a brief introduction to the time value of money.

GEB 5874  MBA Foundations: Financial Management III  
1.5 sh (may not be repeated for credit)  
Prerequisite: GEB 5872, GEB 5873

A course in the Accelerated MBA Foundations Series in which students with an understanding of financial analysis are introduced to financial valuation and decision making tools that are used by managers and owner/managers of business organizations. The three foundation concepts covered are the Time Value of Money, the Risk-Return Relationship, and the use of Incremental After-Tax Cash Flows. Provides a theoretical understanding and a practical application in financial decision-making. Permission is required.

GEB 5875  MBA Foundations: Management Skills and Applications  
1.5 sh (may not be repeated for credit)

Covers the historical evolution of management, organizational design, motivation, team building, leadership, change management, culture, strategic planning, and critical implementation/control elements critical to successful management and strategy. Social responsibility, ethics, globalization, and futures are also stressed.

GEB 5876  MBA Foundations: Marketing Management  
1.5 sh (may not be repeated for credit)

A course in the Accelerated MBA Foundations Series in which students are introduced to foundational concepts of marketing management processes. Provides students with intensive exposure to the basic philosophy, concepts, and knowledge common to effective marketing management.

GEB 5877  MBA Foundations: Applied Managerial Statistics  
1.5 sh (may not be repeated for credit)  
Prerequisite: MAT 1033

A course in the Accelerated MBA Foundations Series in which students are provided with a managerial approach to fundamental statistical concepts including descriptive statistics, measures of location, measures of dispersion, basic probability theory, the normal distribution, inferential statistics, basic notions of hypothesis testing, and introduction to correlation analysis. Permission is required.

GEB 5878  MBA Foundations: Business Process Integration  
1.5 sh (may not be repeated for credit)  
Prerequisite: Completion of the Accelerated MBA Foundations Series: GEB 5871 - GEB 5876

The capstone course in the Accelerated MBA Foundations Series in which students must combine the practical skills and discipline of specific concepts learned in previous foundation courses in order to solve a complex integrated real-life business problem. Serves as an initial integrating experience from which to launch students into the core MBA study. Permission is required.

GEB 5879  MBA Foundations: Business Analysis  
1-3 sh (may be repeated for up to 3.0 sh of credit)

Business requires the application of a variety of analytical tools. Integrates several key analytical tools into a specific business decision framework that focuses on the interrelationship of these tools as they are used in business decisions. After an on-line review/introduction of basic algebraic and financial equations, combines the concepts of time value of money, descriptive statistics, production functions, correlation, simple regression and specifically applied calculus into a decision-making framework. This framework will serve as a foundation for analysis in subsequent courses and create a model for considering risk adjusted financial consequences of future business decisions. Permission is required.
GEB 5930  MBA Foundations: Information Resources and Industry Analysis
1.5 sh (may not be repeated for credit)
Provides the background for beginning the MBA Portfolio. Gives introduction to information resources available to perform business problem analysis. Students learn to prepare a thorough analysis of their Portfolio industry.

GEB 6116  Venture Development
3 sh (may not be repeated for credit)
Prerequisite: GEB 6118
Students learn how to develop a start-up business. Includes constructing a board of directors, adding managers for key functions, reaching revenue targets and ultimately going public.

GEB 6118  New Ventures
3 sh (may not be repeated for credit)
Prerequisite: GEB 5872, GEB 5873
Students learn how to start a new business. They develop a list of potential opportunities, evaluate the opportunities and learn how to seek seed capital (through the elevator speech and the business plan) with an eye toward the profitability horizon.

GEB 6895  Business and Public Policy
3 sh (may not be repeated for credit)
Develops expertise in the use of a set of tools to analyze the effect of economic, regulatory and tax policies (external environment) on the business environment and the conduct of business in domestic and international markets. Ethical implications of business response to these environments are also considered.

GENERAL HISTORY AND HISTORIOGRAPHY Courses

HIS 3002  Methods and Materials Colloquium
3 sh (may not be repeated for credit)
Intensive experience in historical research and writing, methodology, and interpretations. Required for all history majors.

HIS 3313  Issues in Gender and Diversity
3 sh (may not be repeated for credit)
Provides an interdisciplinary introduction to the theoretical and social issues regarding diverse groups and gender stereotypes. Focuses on how gender and diversity fit into the actions and interactions of the private and public sectors, and presents information on how to effectively promote institutions, relationships, politics, and services that value diversity and eliminate gender stereotypes.

HIS 3948  Service Learning Field Study II
1-3 sh (may be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.

HIS 4066  Local History
3 sh (may not be repeated for credit)
Introduction to theory, methodology, and application of local history. Required attendance on field trips to local historical archives, museums, and sites.

HIS 4072  Oral and Community History
3 sh (may not be repeated for credit)
Introduces students to the discipline of oral history and to demonstrate the techniques in which oral history is used to address the history, structure, function, and development of communities. Offered concurrently with HIS 5077; graduate students will be assigned additional work.

HIS 4080  Introduction to Archival Management
3 sh (may not be repeated for credit)
Provides an introduction to the basic theories, methodologies, and archival practices of appraisal, acquisition, arrangement, description, preservation, and reference services for historical records and archives. Offered concurrently with HIS 5082; graduate students will be assigned additional work.

HIS 4284  Maritime History
3 sh (may not be repeated for credit)
Survey of impact of oceans, rivers and other bodies of water upon the development of mankind. Focus on settlement in maritime areas, maritime commerce, exploration, military and naval history, social intellectual and other activities and developments impacted or influenced by the sea.

HIS 4316  Women in the Atlantic World
3 sh (may not be repeated for credit)
Examines the Atlantic World through the experiences of African, European, and American Women. Explores how women fit within the continuously evolving multicultural setting of the sixteenth, seventeenth, and eighteenth centuries. Meets Multicultural Requirement.

HIS 4413  History of Maritime Law
3 sh (may not be repeated for credit)
Surveys the development of admiralty law from early influences of Roman Law to the present day.

HIS 4955  Overseas and Field Study in History
1-6 sh (may be repeated for up to 6.0 sh of credit)
Supervised independent study in historical field research or study in the United States or overseas. Studies include, but are not restricted to, foreign research, supervised visitation and analytical observation of historical sites, participation in foreign university exchange programs. Permission is required.

HIS 5077  Oral and Community History
3 sh (may not be repeated for credit)
Introduces students to the discipline of oral history and to demonstrate the techniques in which oral history is used to address the history, structure, function, and development of communities. Offered concurrently with HIS 4072; graduate students will be assigned additional work.
HIS 5082  Introduction to Archival Management
3 sh (may not be repeated for credit)
Provides an introduction to the basic theories, methodologies, and archival practices of appraisal, acquisition, arrangement, description, preservation, and reference services for historical records and archives. Offered concurrently with HIS 4080; graduate students will be assigned additional work.

HIS 5087  Advanced Museology
3 sh (may not be repeated for credit)
Prerequisite: ARH 4830C
Historical museum operation: philosophy, administration, ethics, and public responsibility.

HIS 5515  History of Architecture
3 sh (may not be repeated for credit)
Examines the development of European architecture as a basis for understanding trends in American architecture from the colonial era to the twentieth century. Introduces the professional aspects of building and construction along with materials and techniques in building restoration and renovation.

HIS 6055  Public History Methodology
3 sh (may not be repeated for credit)
Public History practice and methodology focusing on community history, museology, policy history, environmental history, and media history.

HIS 6056  Graduate History Practicum
1-6 sh (may be repeated for up to 6.0 sh of credit)
Supervised Graduate History experience in an institution or agency such as local, state or national museum; archive; historic preservation site; oral history program; historic district; or agency involved with historic film documentary and tourism. 300 hours minimum. Permission is required. Graded on satisfactory/unsatisfactory basis only.

HIS 6082  Historic and Heritage Preservation Seminar
3 sh (may not be repeated for credit)
Examines the evolution and theory of the historic preservation movement in the United States and the various methodologies associated with preservation and cultural resources management activities in the government and private sectors.

HIS 6097  Heritage Areas, Corridors, and Parkways
3 sh (may not be repeated for credit)
Planning, implementation, and operation of historic preservation projects covering extensive areas and incorporating numerous historic and cultural resources. Comprehensive components of a general management plan and a general stewardship plan necessary for the establishment and operation of heritage areas, corridors, and parkways are studied. Explores the historical forces making such extensive historic preservation areas important to local, regional, and national history.

HIS 6285  Maritime History
3 sh (may not be repeated for credit)
Survey of impact of oceans, rivers, and other bodies of water upon the development of mankind. Focuses on settlement in maritime areas, maritime commerce, exploration, military and naval history, social intellectual and other activities and developments impacted or influenced by the sea.

HIS 6904  Directed Readings
1-3 sh (may be repeated for up to 3.0 sh of credit)
Permission is required.

HIS 6911  Master's Research
1-3 sh (may be repeated for up to 3.0 sh of credit)
Permission is required.

HIS 6956  Advanced Overseas and Field Study in History
1-6 sh (may be repeated for up to 6.0 sh of credit)
Supervised independent study in historical field research or study in the United States or overseas. Studies include, but are not restricted to, foreign research, supervised visitation and analytical observation of historical sites, participation in foreign university exchange programs. Permission is required.

HIS 6971  Thesis
1-6 sh (may be repeated for up to 6.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

GENERAL OCEANOGRAPHY Courses
OCE 4265  Remote Sensing of Oceans
3 sh (may not be repeated for credit)
Prerequisite: BSC 2311
Provides a foundation in cartographic and remote sensing principles, and practical experience with remote sensing applications as they relate to the world's oceans. It examines basic concepts of electromagnetic radiation and its interaction with earth. Remotely sensed images from sensors such as SeaWIFS, AVHRR, and Topex/ Poseidon will be discussed. Exercises will cover ocean color, sea surface temperature altimetry, and sea ice.

GEOGRAPHIC INFORMATION SCIENCE Courses
GIS 3015  Cartographic Skills
4 sh (may not be repeated for credit)
Prerequisite: GEO 1200, GEO 1200L or GLY 2010, GLY 2010L
Co-requisite: GIS 3015L
Designed to teach students the basics of maps, including map projections, datums, grid systems, map interpretations, elements of map design, and basic field mapping. Material and supply fee will be assessed for corresponding lab. Credit cannot be received for both.

GIS 3015L  Cartographic Skills Lab
0 sh (may not be repeated for credit)
Co-requisite: GIS 3015
Corresponding lab for Cartographic Skills.

GIS 4035  Photo Interpretation and Remote Sensing
4 sh (may not be repeated for credit)
Prerequisite: GIS 3015/L
Co-requisite: GIS 4035L
Applied skills emphasizing the fundamentals of aerial photograph interpretation and basics of multiband spectral reconnaissance of the environment-multispectral photography, infrared, microwave scanning and multifrequency radar systems. Application includes their uses in the study of cultural and biophysical phenomena. Material and supply fee will be assessed for corresponding lab. Credit cannot be received for both GEO 4131 and GIS 4035.
GIS 4035L  Photo Interpretation and Remote Sensing Lab
0 sh (may not be repeated for credit)
Co-requisite: GIS 4035

Corresponding lab for Photo Interpretation and Remote Sensing.

GIS 4036  Applications in Remote Sensing
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 and GIS 4043L

The purpose is to make students familiar with digital image processing methods and techniques as applied in solving environmental and urban problems. The course is divided into four basic components: introduction of the generic process of remote sensing applications, introduction of some advanced digital image processing techniques and methods, case studies illustrating this process, and student projects using this process. Offered concurrently with GIS 5039; graduate students will be assigned additional work. Permission is required.

GIS 4043  Geographic Information Systems
3 sh (may not be repeated for credit)
Co-requisite: GIS 4043L

Examines spatial data structures, data acquisition, processing, management, manipulation, and analysis for interdisciplinary applications and research. Permission is required.

GIS 4043L  GIS Laboratory
1 sh (may not be repeated for credit)
Co-requisite: GIS 4043

Lab correlating with GIS 4043. Intended to be a fundamental lab that provides hands-on experience operating a GIS.

GIS 4048  Applications in Geographic Information Systems
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 and GIS 4043L

The application of GIS methods and techniques in solving practical problems. A generic process for applying GIS techniques in problem solving is introduced, and several case studies of GIS applications in environmental and social domains will be analyzed. Offered concurrently with GIS 5100; graduate students will be assigned additional work. Permission is required.

GIS 4071  Methods and Techniques in Environmental Resource Management and Planning
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043/L

Tools, methods, and techniques employed in the study of environmental impact and resource management. Research fundamentals studied and applied to environmental problems such as land use, environmental impact studies, Florida’s development of regional impact, resource evaluation, and other topics. Permission is required.

GIS 4102  GIS Programming
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 & 4043L

Students utilize ArcObjects and VBA to create applications that perform fundamental spatial tasks such as geoprocessing, editing, database management, projecting data, and map creation. Offered concurrently with GIS 5103; graduate students will be assigned additional work. Permission required. Credit may not be received in both GIS 4102 and GIS 5103.

GIS 4260  GIS Applications for Archaeology
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 with lab

This course will serve as an introduction to archeological applications of GIS technology and data management and analysis. Students will learn how to compile, transform, analyze and present sources of archaeological and historical data, and will utilize this information in GIS for cultural resources interpretation, management and predictive modeling. Additionally, this course is designed to reinforce best practices for collecting spatially-related data on anthropological archaeology projects.

GIS 4930  Special Topics in Geographic Information Science
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: GIS 4043/L

Focuses on various topics and cutting-edge techniques in Geographic Information Science (GIS), both in theory and in practice. Offered concurrently with GIS 5935; graduate students will be assigned additional work. Permission is required.

GIS 4944  GIS Internship
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prerequisite: GIS 4043/L

Supervised application of Geographic Information Science (GIS) in business, government, non-profit, educational or other environmental organizations. Offered concurrently with GIS 5945; graduate students will be assigned additional work. Permission is required.

GIS 5039  Applications in Remote Sensing
3 sh (may not be repeated for credit)
Prerequisite: GIS 4035 and GIS 4035L

The purpose is to make students familiar with digital image processing methods and techniques as applied in solving environmental and urban problems. The course is divided into four basic components: introduction of the generic process of remote sensing applications, introduction of some advanced digital image processing techniques and methods, case studies illustrating this process, and student projects using this process. Offered concurrently with GIS 4036; graduate students will be assigned additional work. Material and supply fee will be assessed. Permission is required.

GIS 5100  Applications in Geographic Information Systems
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 and GIS 4043L

The application of GIS methods and techniques in solving practical problems. A generic process for applying GIS techniques in problem solving is introduced, and several case studies of GIS applications in environmental and social domains will be analyzed. Offered concurrently with GIS 4048; graduate students will be assigned additional work.

GIS 5103  GIS Programming
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 and GIS 4043L

Students utilize ArcObjects and VBA to create applications that perform fundamental spatial tasks such as geoprocessing, editing, database management, projecting data, and map creation. Offered concurrently with GIS 4102; graduate students will be assigned additional work. Permission is required. Credit may not be received in both GIS 5103 and GIS 4102.
GIS 5265  GIS Applications for Archaeology
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 with Lab
This course will serve as an introduction to archaeological applications of GIS technology and data management and analysis. Students will learn how to compile, transform, analyze and present sources of archaeological and historical data, and management and predictive modeling. Additionally, this course is designed to reinforce best practices for collecting spatially-related data on anthropological archaeology projects.

GIS 5935  Special Topics in Geographic Science
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: GIS 4043, GIS 4035, GIS 4035L
Focuses on various topics and cutting-edge techniques in Geographic Information Science (GIS), both in theory and in practice. Offered concurrently with GIS 4930: graduate students will be assigned additional work. Permission is required.

GIS 5945  GIS Internship
1-3 sh (may be repeated for up to 3.0 sh of credit)
Supervised application of Geographic Information Science (GIS) in business, government, non-profit, educational, or other environmental organizations. Offered concurrently with GIS 4944; graduate students will be assigned additional work. Permission is required.

GIS 6005  Communicating GIS
3 sh (may not be repeated for credit)
This course begins with the basic theory of graphic design, cartography, and map production and distribution. Students then learn to communicate specific types of spatial and analytical information through maps, written and oral explanations, graphs, tables, charts, and interactive web mapping applications. Course includes lecture, hands-on exercises, written reports, and final presentation.

GIS 6110  Advanced Topics in Geographic Information Science
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043 and GIS 4048
Relational Database Management Systems (RDBMS) and their function within Geographic Information Systems (GIS). Students will integrate RDBMS, Desktop GIS and the World Wide Web to produce an interactive spatial database served over the Internet. Permission is required.

GIS 6555  Geographic Information Systems Management
3 sh (may not be repeated for credit)
Prerequisite: GIS 5935
This course provides practical information on the development, implementation and operation of GIS programs and projects intended for both seasoned and aspiring GIS managers. The course focuses on planning and implementing GIS solutions for government agencies and contractors. The course combines lecture, discussion, and group exercises. An end of term project involves writing in response to real or hypothetical solicitations for a project that targets GIS tool development, implementation, and/or training to support management activities in local, regional, state, national, or international contexts.

GIS 6955  GIS Capstone
6 sh (may not be repeated for credit)
Prerequisite: GIS 6555, GIS 6005, GIS 6110
A final capstone experience for students who are nearing completion of their MSA (Geographic Information Systems specialization) program. In the first semester, students work with instructor guidance to identify and research their project client and topic, and write a background paper outlining previous research and related studies. In the second semester, students will work in collaboration with local partners, faculty, or the student's current employer to develop a real-world GIS application. Working independently, students: communicate with project partners to identify project goals; acquire and prepare spatial data for GIS data analysis; communicate with project partners to assess progress; manage spatial data; and produce outputs for presentation.

GEOGRAPHY: REGIONAL AREAS Courses

GEA 2000  Nations and Regions of the World
3 sh (may not be repeated for credit)
Regional treatment of the physical & cultural environments of the world. Interdependence of peoples and nations of the world will be stressed within the context of environmental attributes and shortcomings and human responses to environmental opportunities or limitations. (General Studies Course: SS/SOC) Meets Multicultural requirement.

GEA 4212  Geography of North America
3 sh (may not be repeated for credit)
Prerequisite: GEA 2000
A regional survey of the United States and Canada, with emphasis upon place-names, physical landscapes, historical settlement patterns, culture regions, cultural diversity, and environmental issues. Offered concurrently with GEA 5214; graduate students will be assigned additional work.

GEA 4405  Geography of Latin America
3 sh (may not be repeated for credit)
A regional survey of Latin America and the Caribbean, with emphasis upon places, names, physical environments, cultural-historical landscapes, and geopolitical and environmental issues. Offered concurrently with GEA 5408; graduate students will be assigned additional work. Meets Multicultural requirement.

GEA 4635  Geography of the Middle East
3 sh (may not be repeated for credit)
A regional survey of the Middle East with emphasis upon place-names, physical landscapes, historical settlement patterns, cultural regions, cultural diversity, environmental issues, and development patterns. Offered concurrently with GEA 5637; graduate students will be assigned additional work.

GEA 4730  Geography of Japan
3 sh (may not be repeated for credit)
A survey of Japan with emphasis on regional and temporal variations in physical landscapes, settlement, culture, and environmental issues. Both the contemporary and historical geography of Japan will be discussed. Offered concurrently with GEA 5731; graduate students will be assigned additional work.
GEA 5214  Geography of North America
3 sh (may not be repeated for credit)
Prerequisite: GEA 2000
A regional survey of the United States and Canada with emphasis on place-names, physical landscapes, historical settlement patterns, culture regions, cultural diversity, and environmental issues. Offered concurrently with GEA 4212; graduate students will be assigned additional work.

GEA 5408  Geography of Latin America
3 sh (may not be repeated for credit)
A regional survey of Latin America and the Caribbean with emphasis upon place-names, physical environments, cultural-historical landscapes, and geopolitical and environmental issues. Offered concurrently with GEA 4405; graduate students will be assigned additional work.

GEA 5637  Geography of the Middle East
3 sh (may not be repeated for credit)
A regional survey of the Middle East with emphasis upon place-names, physical landscapes, historical settlement patterns, cultural regions, cultural diversity, environmental issues, and development patterns. Offered concurrently with GEA 4635; graduate students will be assigned additional work.

GEA 5731  Geography of Japan
3 sh (may not be repeated for credit)
A survey of Japan with emphasis on regional and temporal variations in physical landscapes, settlement, cultures, and environmental issues. Both the contemporary and historical geography of Japan will be discussed. Offered concurrently with GEA 4730; graduate students will be assigned additional work.

GEOGRAPHY: SYSTEMATIC Courses

GEO 1200  Physical Geography
4 sh (may not be repeated for credit)
Prerequisite: GEO 1200L
Co-requisite: GEO 1200L
Relationship between natural environment and man. Weather, climate, soils, biogeography and land forms. Physical earth treated so that the student gains appreciation of man’s place and activities within his/her environment. (General Studies Course: NS/LEC) Material and supply fee will be assessed for corresponding lab.

GEO 3210  Geomorphology
4 sh (may not be repeated for credit)
Prerequisite: GEO 1200, GEO 1200L or GLY 2010, GLY 2010L
Co-requisite: GEO 3210L
Description of landforms and landscapes on the Earth’s surface, along with a systematic analysis of the geomorphic processes that produce them. Emphasis is placed on the climatic and geologic controls on landscape evolution. Material and supply fee will be assessed for corresponding lab.

GEO 3250  Weather and Climate
4 sh (may not be repeated for credit)
Prerequisite: (GEO 1200 and GEO 1200L) or (GLY 2010 and GLY 2010L)
Co-requisite: GEO 3250L
Nature of individual weather elements, their measurements, and analysis over time and space. Analysis of global climate emphasizing control factors, resulting areal patterns and climatic classifications. Emphasis upon North American weather and climate patterns, micro climate, climate change, modification and related problems. Material and supply fee will be assessed for corresponding lab.

GEO 3260  Geography of Soils
3 sh (may not be repeated for credit)
Prerequisite: GEO 1200, GEO 1200L or GLY 2010, GLY 2010L
Co-requisite: GEO 3260L

GEO 3260L  Geography of Soils Laboratory
1 sh (may not be repeated for credit)
Co-requisite: GEO 3260
Deals with the nature, properties and distribution of soils and their relationship to the influence of vegetation, climate, landforms, and human activity. Intended to be fundamental soil science lab that provides hands-on experience. Field trips required.

GEO 2330  Environmental Science
3 sh (may not be repeated for credit)
Study of interrelationships between human activity and the natural systems in our environment. Interdisciplinary approach to the study of natural processes and how they affect and are affected by human activity. Particular emphasis will be given to examination of the ways in which science offers solutions to the pressure human activity places on natural resources. (General Studies Course: NS/LEC).
GEO 3421 Cultural Geography
3 sh (may not be repeated for credit)
Sociocultural distributions with emphases on social regions, spatial behavior and cultural landscapes. Topics include population, spatial diffusion and processes, race, language, religion, political organization, methods of livelihood, settlement patterns, and the regional distribution of the elements over the earth. Meets Multicultural requirement.

GEO 3471 Geography of World Affairs
3 sh (may not be repeated for credit)
Geographic study of world events; environmental influences on events; impact of events on environment; ramifications of events on social, economic, political, physical and psychological worlds. Meets Multicultural requirement.

GEO 3502 Economic Geography
3 sh (may not be repeated for credit)
Analysis of patterns, linkages and flows attendant to the production, consumption and distribution of goods and services. Production and consumption are correlated with markets which are analyzed in terms of population needs, desires and spending power.

GEO 4164 Geostatistics
3 sh (may not be repeated for credit)
Prerequisite: STA 2023, GIS 4043, GIS 4043L
Course reviews basic sampling and experimental design skills as a means to reintroduce data analysis using standard univariate techniques in the geosciences. Introduces spatial, multivariate and time series techniques for both pattern exploration and hypothesis testing. Offered concurrently with GEO 5165; graduate students will be assigned additional work.

GEO 4221 Coastal Morphology and Processes
3 sh (may not be repeated for credit)
Prerequisite: Either GEO 1200 or GLY 2010, GLY 2010L
Co-requisite: GEO 4221L
An introduction to the world's coastal landforms, with emphasis upon dominant processes (especially waves, tides, and currents), geographical variations, human impacts and policies and environmental concerns. Offered concurrently with GEO 5225; graduate students will be assigned additional work.

GEO 4221L Coastal Morphology and Processes Laboratory
1 sh (may not be repeated for credit)
Co-requisite: GEO 4221
Laboratory correlating with GEO 4221. Offered concurrently with GEO 5225L; graduate students will be assigned additional work.

GEO 4251 Advanced Climatology and Climate Change
3 sh (may not be repeated for credit)
Prerequisite: GEO 3250
A survey of Earth's climate during the past several millennia. Explores current scientific literature on global climate as well as paleoclimatic research. Changes in global climate prior to modern record-keeping (pre-1895) are compared and contrasted with observed contemporary global climate change. Offered concurrently with GEO 5256 Advanced Climatology and Climate Change; graduate students will be assigned additional work.

GEO 4280 Basic Hydrology
4 sh (may not be repeated for credit)
Prerequisite: GLY 2010, GLY 2010L or GEO 1200, GEO 1200L
Co-requisite: GEO 4280L
Hydrologic cycle with emphasis upon surface water components. Particular topics include: precipitation, evapotranspiration, water budget, stream flow, and underground water sources and their measurements. Material and supply fee will be assessed for corresponding lab.

GEO 4280L Basic Hydrology Lab
0 sh (may not be repeated for credit)
Co-requisite: GEO 4280
Corresponding Lab for Basic Hydrology.

GEO 4316 Landscape Biogeography
3 sh (may not be repeated for credit)
Prerequisite: BOT 2010 or (either GEO 1200, GEO 1200L or GLY 2010, GLY 2010L)
A geographical perspective on the relationship between landscape pattern and the distribution, dispersal, abundance, and diversity of plant species. Course begins with a general consideration of terrestrial plant geography and then moves towards providing an understanding of landscape ecology. Offered concurrently with GEO 5317; graduate students will be assigned additional work.

GEO 4316L Landscape Biogeography Lab
1 sh (may not be repeated for credit)
Co-requisite: GEO 4316
Laboratory section offered with existing Landscape Biogeography course. Lab investigates spatial patterns and processes in woody species occurrence Analyzes physical landscape characteristics and disturbance processes leading to woody species presence and patterns. Offered concurrently with GEO 5317L. Graduate students will be assigned additional work.

GEO 4332 Senior Seminar
1 sh (may be repeated for up to 2.0 sh of credit)
Prerequisite: 90 semester hours
Seminar in which timely topics pertaining to the environment are discussed and researched. Emphasis is upon professional presentation of research material. Upper level standing is required.

GEO 4333 Seminar in Environmental Issues
3 sh (may not be repeated for credit)
Prerequisite: 90 semester hours
Examines a wide spectrum of current topics that are concerned with or affect the interaction between humans and the environment. Policy issues, economic processes, and natural phenomena will all be considered as each topic is analyzed and solutions to environmental problems are sought. Offered concurrently with GEO 5930; graduate students will be assigned additional work.

GEO 4801 Global Agricultural Sustainability
3 sh (may not be repeated for credit)
The world is experiencing increased pressures to increase agriculture production for food and biofuel. Taking a global perspective, this course addresses the major prospects, problems, and practicalities of creating sustainable agriculture systems. This course examines the ecological foundations of sustainable agriculture and takes a whole-systems approach to agricultural management.
GEO 5165 Geostatistics
3 sh (may not be repeated for credit)
Prerequisite: STA 2023 (or equivalent)
Course reviews basic sampling and experimental design skills as a means to reintroduce data analysis using standard univariate techniques in the geosciences. Introduces spatial, multivariate and time series techniques for both pattern exploration and hypothesis testing. Offered concurrently with GEO 4164; graduate students will be assigned additional work.

GEO 5225 Coastal Morphology and Processes
3 sh (may not be repeated for credit)
Prerequisite: GEO 1200 or GLY 2010, GLY 2010L
Co-requisite: GEO 5225L
An introduction to the world's coastal landforms, with emphasis upon dominant processes (especially waves, tides, and currents), geographical variations, human impacts and policies, and environmental concerns. Offered concurrently with GEO 4221; graduate will be assigned additional work.

GEO 5225L Coastal Morphology and Processes Laboratory
1 sh (may not be repeated for credit)
Co-requisite: GEO 5225
Laboratory correlating with GEO 5225. Offered concurrently with GEO 4221L graduate students will be assigned additional work.

GEO 5256 Advanced Climatology and Climate Change
3 sh (may not be repeated for credit)
Prerequisite: Any Introductory Meteorology course
A survey of Earth's climate during the past several millennia. Explores current scientific literature on global climate as well as paleoclimatic research. Changes in Global climate prior to modern record-keeping (pre-1895) are compared and contrasted with observed contemporary global climate change. Offered concurrently with GEO 4251 (Advance Climatology); graduate students will be assigned additional work.

GEO 5317 Landscape Biogeography
3 sh (may not be repeated for credit)
A geographical perspective on the relationship between landscape pattern and the distribution, dispersal, abundance, and diversity of plant species. Course begins with a general consideration of terrestrial plant geography and then moves towards providing an understanding of landscape ecology. Offered concurrently with GEO 4316; graduate students will be assigned additional work.

GEO 5317L Landscape Biogeography Lab
1 sh (may not be repeated for credit)
Co-requisite: GEO 5317
Laboratory section offered with existing Landscape Biogeography course. Lab investigates spatial patterns and processes in woody species occurrence. Analyzes physical landscape characteristics and disturbance processes leading to woody species presence and patterns. Offered concurrently with GEO4316L (Landscape Biogeography Lab); graduate students will be assigned additional work.

GEO 5805 Global Agricultural Sustainability
3 sh (may not be repeated for credit)
The world is experiencing increased pressures to increase agriculture production for food and biofuel. Taking a global perspective, this course addresses the major prospects, problems, and practicalities of creating sustainable agriculture systems. This course examines the ecological foundations of sustainable agriculture and takes a whole-systems approach to agricultural management. Graduate students will be assigned additional work. This course will be offered concurrently with GEO 4801 Global Agricultural Sustainability.

GEO 5930 Seminar in Environmental Issues
3 sh (may not be repeated for credit)
Prerequisite: Graduate standing
Examines a wide spectrum of current topics that are concerned with or affect the interaction between humans and the environment. Policy issues, economic processes, and natural phenomena will all be considered as each topic is analyzed and solutions to environmental problems are sought. Offered concurrently with GEO 4333; graduate students will be assigned additional work.

GEO 6118 Research Design
3 sh (may not be repeated for credit)
Prerequisite: GEO 6936
Introduces non-thesis-track Master's students to the essentials of designing and executing a research project in the environmental sciences using the scientific method. Students will design and complete a research project.

GEO 6905 Directed Study
0-3 sh (may be repeated for up to 99.9 sh of credit)
Directed Study Course.

GEO 6936 Graduate Seminar
3 sh (may not be repeated for credit)
An overview of the disciplinary evolution of the geosciences, the prevailing paradigms and methodologies, and current and future directions in the field. The scientific method, grant proposals, and research publications will be examined in detail.

**GEOLOGICAL OCEANOGRAPHY Courses**

OCG 4050 Geological Oceanography
3 sh (may not be repeated for credit)
Prerequisite: (GEO 1200 and GEO 1200L) or (GLY 2010 and GLY 2010L) or (BSC 2311 and BSC 2311L)
The study of the morphology, formation, and evolution of ocean basins; of the sediments in coastal, shelf, and pelagic environments; and biogeochemical cycling. Includes paleoceanography and the sedimentary history of the ocean basins.

**GEOLOGY Courses**

GLY 2010 Physical Geology
3 sh (may not be repeated for credit)
Material, structures, surface features of the earth and processes that have produced them. (General Studies Course: NS/LEC).

GLY 2010L Physical Geology Laboratory
1 sh (may not be repeated for credit)
Lab correlating with GLY 2010. (General Studies Course: NS/LAB).
GLY 3031C  Environmental Geology
4 sh (may not be repeated for credit)
Prerequisite: GEO 1200, GEO 1200L or GLY 2010, GLY 2010L
Discussion oriented study of the application of geology to the spectrum of interactions between people and their physical environment. Earth materials and processes are presented in reference to hazards and concerns that are created naturally and/or by human activities. Role of humans as geologic agents, resource conservation, ecosystem management, and the problems that result from upsetting the established equilibria of geologic systems are illustrated using case studies with emphasis on scenarios in Florida. Possible field trips.

GLY 4240  Geochemistry
3 sh (may not be repeated for credit)
Prerequisite: (GLY 2010, GLY 2010L or GEO 1200, GEO 1200L) and CHM 2045, CHM 2045L
Fundamentals of the interactions between geological and chemical concepts in Earth systems. Will assess how chemical properties influence geological and environmental processes in a range of Earth environments. Topics will include the application of geochemical tools to interpret modern and ancient environments. Offered concurrently with GLY 5246; graduate students will be assigned additional work.

GLY 4244  Biogeochemistry
3 sh (may not be repeated for credit)
Prerequisite: (GLY 2010/GLY 2010L or GEO 1200/GEO 1200L) and CHM 2045/CHM 2045L and (BSC 1005/BSC 1005L or BOT 2010/BOT 2010L or ZOO 1010/ZOO 1010L)
An introduction to the interactions between biological and inorganic components of Earth systems. Integrates fundamental concepts of Biology, Geology, and Chemistry. Topics will include the interactions of major nutrient cycles and connections between Earth components (atmosphere, lithosphere, and hydrosphere). Offered concurrently with GLY 5266; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GLY 5246  Geochemistry
3 sh (may not be repeated for credit)
Prerequisite: (GLY 2010/GLY 2010L or GEO 1200/GEO 1200L) and CHM 2046/CHM 2046L
Fundamentals of the interactions between geological and chemical concepts in Earth systems. Will assess how chemical properties influence geological and environmental processes in a range of Earth environments. Topics will include the application of geochemical tools to interpret modern and ancient environments. Offered concurrently with GLY 4240; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GLY 5266  Biogeochemistry
3 sh (may not be repeated for credit)
Prerequisite: (GLY 2010/GLY 2010L or GEO 1200/GEO 1200L) and CHM 2046/CHM 2046L and (BSC 1005/BSC 1005L or BOT 2010/BOT 2010L or ZOO 1010/ZOO 1010L)
An introduction to the interactions between biological and inorganic components of Earth systems. Integrates fundamental concepts of Biology, Geology, and Chemistry. Topics will include the interactions of major nutrient cycles and connections between Earth components (atmosphere, lithosphere, and hydrosphere). Offered concurrently with GLY 4244; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GERMAN Courses

GER 1120C  German I
4 sh (may not be repeated for credit)
For students with no knowledge of German or with fewer than two years of high school German. Lays a foundation for speaking, writing, and reading the language. One hour of lab work per week is required.

GER 1121C  German II
4 sh (may not be repeated for credit)
Prerequisite: GER 1120C
Continuation of GER 1120C. One hour of lab work per week is required.

GER 2240  German Intermediate Composition and Conversation
3 sh (may not be repeated for credit)
This is an intermediate foreign language course intended for students who have completed German I and II. Students will expand and perfect their ability to speak, read, write and understand German and learn more about German culture.

GERONTOLOGY Courses

GEY 4001  Gerontology
3 sh (may not be repeated for credit)
Course addresses the biology of the aging process and the impact of these changes on the older adult; it enhances the knowledge and understanding of biological changes associated with aging in humans and their manifestations for health care professionals who work with older adults. Graduate students will be required to read five review articles and submit a written summary of the findings, a set of conclusions, and recommendations which they will defend based on knowledge learned from the course. Offered concurrently with GEY 5005; graduate students will be assigned additional work. Permission is required.

GEY 5005  Gerontology
3 sh (may not be repeated for credit)
This course addresses the biology of the aging process and the impact of these changes on the older adult; it enhances the knowledge and understanding of biological changes associated with aging in humans and their manifestations for health care professionals who work with older adults. Graduate students will be required to read five review articles and submit a written summary of the findings, a set of conclusions, and recommendations which they will defend based on the knowledge learned from this course. Offered concurrently with GEY 4001; graduate students will be assigned additional work.
**GRAPHIC DESIGN Courses**

GRA 3102C Graphic Design Studio I  
3 sh (may not be repeated for credit)  
Prerequisite: ART 2600C, ART 2484C

This course focuses on the refinement of student's problem-solving abilities through the advanced application of the design process. Students will work to gain control over the interaction of perceptual and conceptual compositional elements to enhance visual communication skills. Students research and analyze topical subjects to create works of visual communication as they explore the role of graphic design in visual culture. This course varies by semester and instructor to cover some of the following depending upon the term: Design and Digital Illustration, Branding and Identity Systems, Data Visualization and Information Design, and Packaging Design. Emphasis will be placed on expressive and creative communication through rough design.

GRA 3202C Typography  
3 sh (may not be repeated for credit)  
Prerequisite: ART 2201C; ART 2484C

This course is an examination of basic typography as a compositional tool. Students will explore the architecture of type from a single letterform to an entire page layout. Students will be introduced to the history of typography and explore concepts relating to contextualization of typographic form in relation to that history. This class will investigate issues of denotation and connotation, context and theme, graphic/image-type relationships, and/or expression through a refinement of the craft of typography.

GRA 4112C Graphic Design Studio II  
3 sh (may be repeated for up to 6.0 sh of credit)  
Prerequisite: GRA 3202C

This course focuses on the refinement of student's problem-solving abilities through the advanced application of the design process. Students will work to gain control over the interaction of perceptual and conceptual compositional elements to enhance visual communication skills. Students research and analyze topical subjects to create works of visual communication skills. Students research and analyze topical subjects to create works of visual communication as they explore the role of graphic design in visual culture. This course varies by semester and instructor to cover some of the following depending upon the term: Poster Design and Digital Illustration, Branding and Identity Systems, Data Visualization and Information Design, and Packaging Design.

GRA 4930C Special Topics in Digital Media Design  
3 sh (may not be repeated for credit)  
Prerequisite: ART 2600C

This course focuses on the refinement of student's problem-solving abilities through the advanced application of the design process. Students will work to gain control over the interaction of perceptual and conceptual compositional elements to enhance visual communication skills. Students research and analyze topical subjects to create works of visual communication as they explore the role of graphic design in visual culture.

GRA 4940L Internship in Graphic Design  
1-3 sh (may be repeated for up to 6.0 sh of credit)  
Prerequisite: GRA 3202C, ART 3618C, 2.5 GPA overall, 3.0 GPA in Art

On an "as available" basis, Graphic Design majors may request an internship by submitting written proposals to their advisor. Proposals must be approved by the advisor and sponsor. Junior or Senior status, 2.5 GPA overall, and a 3.0 GPA in Graphic Design is required. All internships include a report on internship experience, including weekly journals, written reports and an oral presentation to the department advisor. Graded on a Satisfactory/Unsatisfactory basis only. Permission required.

GRA 4950C Graphic Design Portfolio  
3 sh (may be repeated for up to 6.0 sh of credit)  
Prerequisite: ART 3618C, GRA 3202C, GRA 3102C, GRA 4112C

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-promotion pieces. Interview and job search skills will be discussed and developed. Individual assignments will be given to strengthen and round out each portfolio.

**HEALTH SCIENCE Courses**

HSC 2100 Personal Health  
3 sh (may not be repeated for credit)

Provides information on personal health issues from which students may base current and future decisions regarding their health and wellness. To promote an environment where effective decision making skills can be acquired through structured group interaction.

HSC 2577 Principles of Nutrition  
3 sh (may not be repeated for credit)

Explores fundamental principles of nutrition emphasizing the promotion of human growth and health. Provides students with an understanding of nutrients and their roles in the body while examining current issues in food science.

HSC 3032 Foundations in Health Education  
3 sh (may not be repeated for credit)

Explores the philosophy and principles that provide the foundations of health education as an academic discipline and as a profession. Emphasis will focus on health education in our society, theoretical basis, settings, ethical issues, current issues, marketing, planning and future outlook in the field.

HSC 3034 Advances in Health Sciences Technology  
3 sh (may not be repeated for credit)

Introduces the student to current regional, state, national and international trends and issues in the health sciences. Lectures will cover recent topics in this area followed by class discussion of the topic. In addition, each student will be assigned a series of articles related to the topics that will be covered during the semester in lecture to stimulate and broaden class discussion.

HSC 3406C Advanced First Aid and Emergency Care  
3 sh (may not be repeated for credit)

Study and practice of standard first aid procedures which are essential for survival in emergency and disastrous situations. Cardiopulmonary resuscitation method will be included. Red Cross certification will be available to students who meet current standards.
HSC 3535  Introduction to Medical Terminology
3 sh (may not be repeated for credit)
This distance learning course is designed to familiarize students with the basics of vocabulary used in the medical and health professions. Students will employ a systematic, word-building approach to master the complex terminology of the medical field. The self-paced approach requires excellent time management skills, computer skills, and commitment by the student. The coursework will be presented through the textbook, with practice exercises and tests for each course unit will be submitted electronically. Working knowledge of how to use personal computers, including knowledge of word processing and Internet searching is required prior to this course.

HSC 3555  Pathophysiology
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085 & BSC 1086
Disease as an abnormal biological process. Selected physiological processes and basic concepts of body response to pathology will be explored. Approach appropriate to students of nursing, allied health, medicine, and biology. Recommended prerequisite: one course in anatomy and physiology. Credit may not be received in both HSC 3555 and HSA 3550.

HSC 4050  Health Sciences Research Seminar
3 sh (may not be repeated for credit)
Will center on discussions of contemporary research in the health sciences. The instructor will select key papers on a variety of recent advances in pharmaceuticals, surgical techniques and other areas of medical technology for discussion by students. At the beginning each student will be assigned a project which will include a written paper on a specific topic in health sciences research that they will present and defend in class.

HSC 4104  Health Aspects of Stress Management
3 sh (may not be repeated for credit)
A study of physiological, psychological, and sociological aspects of stress as related to overall health. Anger, fear, and depression and their underlying mechanisms related to the stress response on health and disease will be examined. Emphasis is on identification of stressors, methods of prevention and coping strategies. Group activities and individual assignments provide opportunities for personal analysis.

HSC 4120  Consumer Health Education
3 sh (may not be repeated for credit)
Enables students to make intelligent decisions about the health care marketplace. Basic information regarding health care products, services and consumer protection will be of central focus.

HSC 4133  Health Aspects of Human Sexuality
3 sh (may not be repeated for credit)
A study of physical, mental, emotional, social, and psychological phases of human sexuality as they are affected by male and female relationships. Emphasize a holistic perspective on sexuality. Lectures by the instructor and experts from the community will provide an overview of the major issues in sexuality. Assigned readings will provide detailed information. Group activities and individual assignments will provide opportunities for personal analysis and growth with regard to a wide variety of topics.

HSC 4143  Drugs in Society
3 sh (may not be repeated for credit)
Provides students with knowledge of the use and abuse of drugs in American contemporary society. Emphasis on the physiological, psychological, and sociological effects of drug use and abuse on personal and community health. Concepts of prevention, education and control will be covered.

HSC 4211  Human Environmental Health
3 sh (may not be repeated for credit)
An online course with an overview of major environmental issues facing society at the dawn of the 21st century. Ecological concerns will be matched with specific elements related to personal and community health, emphasizing the interrelatedness of the two and conveying an awareness of how current environmental issues directly affect your own life.

HSC 4300  Changing Health Behaviors
3 sh (may not be repeated for credit)
Designed to acquaint students with a general theory of behavior, guide them through exercises for developing skills in self-analysis, and to provide information on how to achieve individual behavior change goals. Students will learn techniques for developing community-based health behavior change programs and employ coping skills for personal problem solving.

HSC 4404  Medical Disaster Management
3 sh (may not be repeated for credit)
Introduces students to facets of natural and technological disasters while integrating public health research designs and practices. Class lectures and discussions utilize recent and historical case studies as a basis for developing the critical thinking and leadership skills needed by healthcare professionals in crisis situations. International, domestic, and regional settings are addressed, as well as the social, economic, and political aspects of disaster planning, preparedness, and mitigation. Basic public health concepts and methodologies as they relate to course material.

HSC 4500  Epidemiology
3 sh (may not be repeated for credit)
A study of the factors determining and influencing the frequency, distribution, and causes of diseases and other events that impact the health and safety of the human population. Programs and strategies to prevent and control such events and diseases will be explored.

HSC 4511  Human Environmental Health
3 sh (may not be repeated for credit)
Provides students with knowledge of the use and abuse of drugs in American contemporary society. Emphasis on the physiological, psychological, and sociological effects of drug use and abuse on personal and community health. Concepts of prevention, education and control will be covered.

HSC 5512; graduate students will be assigned additional work.
HSC 4551  Communicable and Degenerative Diseases
3 sh (may not be repeated for credit)
Designed to explore the basic concepts and principles of the disease process including history and classification. Emphasis will be upon etiology, origin, symptoms, treatments, prevention, host, agent, and environmental factors affecting occurrence, prevention, and control. Offered concurrently with HSC 5552; graduate students will be assigned additional work. Junior/Senior status required.

HSC 4572  Nutrition and Health
3 sh (may not be repeated for credit)
Prerequisite: HLP 2081 or HSC 2577 or permission from the instructor.
A study of the principles of nutrition science as applied to daily living. Topics include the six major nutrients; carbohydrates, lipids, proteins, vitamins, minerals, and water. Course also examines nutrition standards, Dietary Guidelines, digestive process, energy balance, nutrition controversies, and health educator’s scope of practice related to nutrition education and counseling. Previous courses in nutrition, anatomy, physiology, or biology are highly recommended.

HSC 4581  Health Promotion and Planning
3 sh (may not be repeated for credit)
A comprehensive overview and analysis of theory, models, principles, and practices of health education and promotion planning and implementation. Topics include health promotion and a framework for planning, social assessment and participatory planning, epidemiological assessment, behavioral and environmental assessment, educational and ecological assessment, administration and policy assessment, evaluation and applications in community, occupational, school, and health care settings.

HSC 4633  Current Issues in School-Community Health
3 sh (may not be repeated for credit)
A study of contemporary health issues affecting schools and communities. Emphasis will be placed on environment, medical care, lifestyle factors, and communicable diseases.

HSC 4652  Introduction to Clinical Ethics Grand Rounds
3 sh (may not be repeated for credit)
An examination of actual clinical cases presented by hospital bioethicists.

HSC 4658  End-of-Life Ethics
3 sh (may not be repeated for credit)
An examination of key issues and cases in end-of-life ethics.

HSC 4940  Internship
1-6 sh (may be repeated for up to 6.0 sh of credit)
Placement in an appropriate agency or organization for the purpose of gaining some experience in the field. Faculty and agency personnel will supervise the student as the student participates in a wide range of services available in the setting. Goals and objectives will be planned by the student, instructor and agency supervisor. Reports will be required on a regular basis with a final report and oral interview. Permission is required.

HSC 5037  Historical Foundations of Health Education
3 sh (may not be repeated for credit)
The philosophical, ethical, and theoretical foundations of the professional practice of health education in school, community, worksite and hospital settings, as well as in health promotion consultant activities. Students will be expected to develop their own philosophical, ethical and theoretical approach(es) to the field after becoming familiar with the literature related to the discipline.

HSC 5135  Health Guidance
3 sh (may not be repeated for credit)
The role of health educators and other health professionals in providing health guidance to individual clients. Functions of agencies and organizations providing health education and supportive health services.

HSC 5176  Nutrition and Lifestyle Counseling
3 sh (may not be repeated for credit)
Prerequisite: HSC 2577 or HLP 2081 or HSC 4572 or permission from the instructor
An integrated overview of nutrition science as it relates to health and disease prevention. Course includes the acquisition of lifestyle counseling and interpersonal skills that enhance the helping relationship as a health educator.

HSC 5205  Public Health Preparedness
3 sh (may not be repeated for credit)
Introduces types of disasters, the national incident management systems and its role in disaster planning, prevention, and mitigation. The structure and organization of medical disaster response, exercises, emergency communication, rapid health assessment, surveillance, and triage. Introduces the public health role in responding to chemical, biological, disease, radiological, nuclear, and explosive incidents. Also covers social/mental health, environmental services, ethical, and legal issues in disasters. Introduces evaluation methods for assessing the medical and public health responses.

HSC 5506  Advanced Epidemiology
3 sh (may not be repeated for credit)
Examines the use of epidemiological procedures as they apply to community health planning. Emphasis is placed on the application of epidemiological concepts in determining the effectiveness of current and potential medical and public health interventions.
HSC 5512  Health Care Quality and Database Management
3 sh (may not be repeated for credit)
Emphasizes how to develop, deploy, and evaluate new tools to analyze clinical data resources. Special attention is given to improving health care quality and decision-making to address the needs of a clinical practice or administration. Case studies involving the development and assessment of databases for disease management and drug utilization will be covered. Students will learn how to collect, summarize, statistically analyze, present, and interpret data. Students will be trained in the fundamentals of database design and information retrieval as they develop a working tool to address health care quality improvement. Finally, legal and confidentiality, the use of informed consent, and regulatory requirements will be addressed. Intro to Medical Informatics; Working knowledge of statistics; Working knowledge of how to use personal computers, including knowledge of word-processing, spreadsheet packages and Internet searching; Training in a health care-related field at the Associate’s or Bachelor’s level is required. Material and Supply Fee will be assessed. Offered concurrently with HSC 4511 graduate students will be assigned additional work.

HSC 5552  Communicable and Degenerative Diseases
3 sh (may not be repeated for credit)
Designed to explore the basic concepts and principles of the disease process including history and classification. Emphasis will be upon etiology, origin symptoms, treatments, prevention, host, agent, and environmental factors affecting occurrence, prevention, and control. Offered concurrently with HSC 4551; graduate students are assigned additional work. Upper division or graduate status is required.

HSC 5602  Life, Illness and Death
3 sh (may not be repeated for credit)
An examination of the worldviews of patients and health care providers which influence how both confront illness, suffering, and death. Permission is required.

HSC 5636  Current Issues in Medicine
3 sh (may not be repeated for credit)
An examination of issues that arise in conceptualizing the aims and practices of medicine. Some focus on the health care practitioner’s experience with difficult decisions regarding patient care and self-care. Permission is required.

HSC 5655  Theoretical Foundations of Health Care Ethics
3 sh (may not be repeated for credit)
Illuminating major ethical theories and their relation to health care ethics. The application and visibility of these theoretical models will be tested with respect to training and professional practice in health care. Permission is required.

HSC 5656  Clinical Ethics Grand Rounds
3 sh (may not be repeated for credit)
Students will participate in grand rounds with specified health care professionals. In response to various cases presented at ethics grand rounds, students will participate in mock round table bioethics consultations and committees. A clinical ethics case study and permission is required.

HSC 5716  Planning, Implementing, and Evaluating of Health Programs
3 sh (may not be repeated for credit)
Prerequisite: Graduate standing or permission from Health Education faculty for non-graduate students.
This course is designed to prepare the graduate student with the theoretical and practical perspectives of community health program planning, implementation, and evaluation. Emphasis will be placed on the major components of any planning model; needs assessment; priority setting; problem statement; program goals and objectives; program implementation; program evaluation; and budgeting. Additional topics include: ethical issues related to community health program planning and evaluation; influence of diversity on interventions and grant writing. Graduate standing or permission from Health Education faculty for non-graduate students is required.

HSC 6012  Professional Development in Biomedical/Pharmaceutical Sciences
3 sh (may not be repeated for credit)
A capstone course for the specialization. Exposes students to the basic professional skills required of administrators in the biomedical and pharmaceutical industries.

HSC 6206  Community Health Delivery Systems
3 sh (may not be repeated for credit)
This course explores health care delivery in the United States. Examines health care systems in other countries along with covering topics including American beliefs and values related to health care delivery, evolution of health services in the United States, health service professions, influence of medical technology, and the financing of health services.

HSC 6528  Strategies for Prevention of Infectious Disease
3 sh (may not be repeated for credit)
A comprehensive study of the tools for the control of infectious diseases and the application of these tools in public health programs to achieve an epidemiologic impact on disease reduction, elimination or eradication.

HSC 6587  Health Education Program Planning and Evaluation
3 sh (may not be repeated for credit)
This course is designed to prepare the graduate student with the theoretical and practical perspectives of health program planning and evaluation. Emphasis will be placed on the major components of program planning models; needs assessment; priority setting; program goals and objectives; program implementation and evaluation; and budgeting. Additional topics include: ethical issues related to health program planning; multicultural literacy; and grant writing. Graduate standing or permission from Health Education faculty for non-graduate students is required.

HSC 6666  Health Education and Interactive Technology
3 sh (may not be repeated for credit)
Course offers health educators and health care administrations various perspectives relating to the development and implementation of effective interactive computing technology. Program development and interventions are aimed at improving various health-related outcomes such as promoting an individual’s involvement in their personal health care, quality of life, adherence to health promoting strategies, and disease management. Above issues are also addressed within a community setting.
HSC 6667  Social Marketing in Health Education
3 sh (may not be repeated for credit)
Provides students with an understanding of social marketing definitions, theory, and techniques. Social marketing systematically applies consumer marketing tools to achieve a consumer oriented approach to health promotion programming. Students will learn how to segment, reach, and influence target audiences while examining issues such as product planning, pricing, communication, distribution, and market research. As part of this course, students will apply marketing principles to design program messages and materials for behavior change initiatives.

HSC 6707  Current Issues in Health Administration
3 sh (may not be repeated for credit)
Students will examine current issues in the dynamic field of health care and the implications for health care administrators and other health professionals. Topics include outpatient services and primary care; hospital facilities; managed care; long term care; health care concerns in vulnerable populations; cost, access and quality of health care; health care policy; and future of health services delivery in the US.

HEALTH SERVICES ADMINISTRATION Courses

HSA 4110  Health Care Policy and Administration
3 sh (may not be repeated for credit)
Management principles, processes and techniques as applied to hospitals and other health-related institutions. Offered concurrently with HSA 5115; graduate students will be assigned additional work.

HSA 4191  Health Information Systems
3 sh (may not be repeated for credit)
Provides an overview of various health information such as patient-care, clinical decision-support, disease and demographic surveillance, imaging and simulation, and safety and environmental assessment. Fundamentals of proposing, reporting, and refereeing evaluation studies are covered. Legal and ethical issues related to training, security, confidentiality, and the use of informed consent are also addressed. Working knowledge of how to use personal computers, including knowledge of word-processing, spreadsheet packages and Internet searching.

HSA 4192  Introduction to Medical Informatics
3 sh (may not be repeated for credit)
Provides an overview of the multifaceted, interdisciplinary nature of medical informatics. Fundamentals of computer applications in medicine, health data classification and coding, and legal and ethical issues (including documentation, security, and regulatory requirements). Additional avenues for further credentialing will be covered. Working knowledge of medical terminology and acceptance into the Medical Informatics Certificate Program also included. Offered concurrently with HSA 5197; graduate students will be assigned additional work.

HSA 4193  Electronic Clinical Record Systems
3 sh (may not be repeated for credit)
Explores the use and evaluation of a commercially available electronic medical record system. Health care workflow issues will be addressed in the context of impacts on billing, collections, HIPAA, and scheduling in a health care practice. Offered concurrently with HSA 5198; graduate students will be assigned additional work.

HSA 4430  Health Economics
3 sh (may not be repeated for credit)
Provides instruction in economic theories, tools and concepts and their application to current health care issues. Offered concurrently with HSA 5436; graduate students will be assigned additional work.

HSA 4431  Business Analysis and Decision Making in Health Care
3 sh (may not be repeated for credit)
Analysis of health policy, issues and cases using economic theories, tools, and concepts. Offered concurrently with HSA 5438; graduate students will be assigned additional work.

HSA 5115  Health Care Policy and Administration
3 sh (may not be repeated for credit)
Management principles, processes and techniques as applied to hospitals and other health-related institutions. Offered concurrently with HSA 4110; graduate students will be assigned additional work.

HSA 5161  Marketing for Nursing Administrators
3 sh (may not be repeated for credit)
Today, medicine is a mega business. This course explores best practices in market research, planning and positioning, advertising and branding, public relations and political advocacy in medicine to promote an understanding of the business of healthcare among nurse practitioners and other healthcare workers.

HSA 5163  Marketing for Nurse Administrators
3 sh (may not be repeated for credit)
Today, medicine is a mega business. This course explores best practices in market research, planning and positioning, advertising and branding, public relations and political advocacy in medicine to promote an understanding of the business of healthcare among nurse practitioners and other healthcare workers. Credit may not be received in both HSA 5163 and HSA 5161. Permission is required.

HSA 5197  Introduction to Medical Informatics
3 sh (may not be repeated for credit)
Provides an overview of the multifaceted, interdisciplinary nature of medical informatics. Fundamentals of computer applications in medicine, health data classification and coding, and legal and ethical issues (including documentation, security, and regulatory requirements). Additional avenues for further credentialing will be covered. Working knowledge of medical terminology and acceptance into the Medical Informatics Certificate Program also included. Training in a health care-related field at the Associate’s or Bachelor’s level is required. Offered concurrently with HSA 4192; graduate students will be assigned additional work.

HSA 5198  Electronic Clinical Record Systems
3 sh (may not be repeated for credit)
Explores the use and evaluation of a commercially available electronic medical records system. Health care workflow issues will be addressed in the context of impacts on billing, collections, HIPAA and scheduling in a health care practice. Working knowledge of personal computers, including knowledge of word-processing, spreadsheet packages, and Internet searching. Offered concurrently with HSA 4192; graduate students will be assigned additional work.
HSA 5436  Health Economics  
3 sh (may not be repeated for credit)  
Prerequisite: GEB 5871  
Provides instruction in economic theories, tools and concepts and their  
application to current health care issues. Offered concurrently with  
HSA 4430; graduate students will be assigned additional work.  

HSA 5438  Business Analysis and Decision Making in Health Care  
3 sh (may not be repeated for credit)  
Analysis of health policy, issues and cases using economic theories,  
tools, and concepts. Offered concurrently with HSA 4431; graduate  
students will be assigned additional work.  

HSA 6342  Human Resources in Health Care  
3 sh (may not be repeated for credit)  
Introduces graduate students to the management of human resources  
specifically within health care organizations. The course focuses on  
skills required to become an effective manager and gain knowledge  
of fundamental human resource management topics: strategic  
HR management; workforce planning; legal environment of HR  
management; workforce diversity; job analysis and job design;  
recruitment, selection, and retention; organizational development and  
training; compensation and benefits; health safety and preparedness;  
and employee and labor-management relations.  

HSA 6521  Critical Analysis of Health  
3 sh (may not be repeated for credit)  
Analysis of research being conducted on causes of illness and death in  
the United States and other countries.  

HEALTH, LEISURE, AND PHYSICAL EDUCATION Courses  

HLP 2081  Health, Nutrition and Physical Fitness  
3 sh (may not be repeated for credit)  
Principles of exercise and nutrition and their roles in maintenance of  
good health. Students will be given the opportunity to develop their  
individual aerobic fitness program. An introductory level course.  

HLP 3300  Organization and Administration of Professional Programs  
3 sh (may not be repeated for credit)  
Analysis of leadership principles related to study of man and human  
performance related to health, leisure and sports activities.  

HLP 3510  Measurement and Evaluation in Health, Leisure, and  
Sports  
3 sh (may not be repeated for credit)  
Application of measurement and evaluation principles to study of man  
and human performance related to health, leisure and sports activities.  
Instructional designs of physical fitness, sport skills and knowledge  
testing are examined.  

HLP 4722  Health/Physical Education for Elementary School Teachers  
3 sh (may not be repeated for credit)  
Knowledge, attitudes and skills necessary for balanced programs of  
physical education and health education for grades K-8.  

HLP 4922  Field Experience  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Placement in an appropriate setting for the purpose of learning more  
about a specific field. Student will observe and participate in a wide  
range of activities as determined by instructor and agency supervisor.  
Graded on satisfactory/unsatisfactory basis only. Permission is  
required.  

HLP 4940  Internship  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Placement in an appropriate agency or organization for the purpose  
of gaining some experience in the field. Faculty and agency personnel  
will supervise the student as the student participates in a wide range  
of services available in the setting. Goals and objectives will be planned  
by the student, instructor and agency supervisor. Reports will be  
required on a regular basis with a final report and oral interview.  
Permission is required.  

HLP 4941C  Senior Capstone Experience in Exercise Science  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Prerequisite: HLP 4922  
As a capstone experience for Exercise Science students, this course  
will provide opportunities for students to put theory into practice  
through active participation and class participation. Students are  
supervised by practitioners in an exercise science related field and  
by faculty academic support. Graded on a satisfactory/unsatisfactory  
grade only. Departmental permission will be required.  

HLP 6535  Research Procedures  
3 sh (may not be repeated for credit)  
Research methodology, critical analyses and evaluation of current  
research, and design of a research proposal in the major field.  

HLP 6595  Research Seminar  
3 sh (may not be repeated for credit)  
Development of a research design suitable for a thesis or research  
project in health, leisure or sports science.  

HLP 6922  Field Experience  
1-3 sh (may be repeated for up to 6.0 sh of credit)  
Field experience in school or community agencies under faculty  
direction and on-the-job supervision. Graded on satisfactory/  
unsatisfactory basis only. Permission is required.  

HLP 6940  Internship  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Placement in an appropriate agency or organization for the purpose  
of gaining some experience in the field. Faculty and agency personnel  
will supervise the student as the student participates in a wide range  
of services available in the setting. Goals and objectives will be planned  
by the student, instructor and agency supervisor. Reports will be  
required on a regular basis with a final report and oral interview.  
Graded on a satisfactory/unsatisfactory basis only. Permission is  
required.  

HLP 6971  Thesis  
1-6 sh (may be repeated for up to 6.0 sh of credit)  
Graded on a satisfactory/unsatisfactory basis only. Permission is  
required.
HOSPITALITY MANAGEMENT Courses

HFT 2000  Introduction to Hospitality, Recreation, and Resort Management
3 sh (may not be repeated for credit)
Introduction to the unique characteristics of service industries, and the concept of service quality. The many segments of the Hospitality, Recreation, and Resort fields are reviewed, along with related employment opportunities.

HFT 3221  Human Resources in Hospitality, Recreation, and Resorts
3 sh (may not be repeated for credit)
Covers basics of human resource administration while focusing on the importance of human resource management within service industries; customer satisfaction is dependent upon employee satisfaction. Emphasis placed upon motivation, training, and strategies to combat the high turnover that characterizes hospitality fields.

HFT 3271  Spa Management
3 sh (may not be repeated for credit)
Spa development is traced from Roman roots to the types of spas currently in existence: day spas, destination spas, and resort spas. Major treatments/services are reviewed: facial therapies, massage therapies, water therapies, face and body services, salon services, exercise, personal training, etc. In addition to operations, the functional areas of marketing, human resources, and financial management are discussed within the context of spas.

HFT 3277  Resort Operations and Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Complete approach to the operation of resort properties from a department manager's perspective. Beginning with historical development, details are presented in planning, development, financial investment management, and marketing that deal with the unique nature of resort business. The future and the impact of the condominium concept, time-sharing, technological change, and the increased cost of energy and transportation, are also discussed.

HFT 3414  Managing Front Office Operations
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Co-requisite: HFT 2000
Students will learn a systematic approach to front office procedures by detailing the flow of business through a hotel, form the reservations process to check-out and account settlement. Various elements of effective front office management will be examined, paying particular attention to the planning and evaluation of front office operations and to human resources management. Front office procedures and management are discussed within the context of the overall operation of a hotel.

HFT 3814C  Management of Food and Beverage Operations
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Co-requisite: HFT 3856C
Students will gain an understanding of the management process in food and beverage operations. All aspects of food and beverage operations are covered including organization, marketing, menus, costs and pricing, production, service, safety, and finances. This class is designed for future managers who will have to help out in the kitchen and will be responsible for cost control. This is not for students who intend to be Chefs.

HFT 3856C  Managing Service in Food and Beverage Operations
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Co-requisite: HFT 3814C
Students will learn practical skills and knowledge for effective management of food service operations. Basic service principles will be emphasized including the importance of meeting and, whenever possible, exceeding the expectations of guests.

HFT 3932  The Disney Semester: Experiential Learning in Hospitality, Recreation, and Resort Management
6-12 sh (may be repeated for up to 12.0 sh of credit)
For students who have been accepted into the Walt Disney World College Program. Combines experiential learning through a minimum of 600 work hours (6 credit hours) with optional classroom education (maximum of 2 classes-3 credit hours/class) at Walt Disney World in Orlando, Florida. Permission is required.

HFT 3941  Field Study in Hospitality, Recreation and Resort Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Students work in a hospitality, recreation or resort-related organization under the supervision of an agency representative and a faculty advisor. Skills, knowledge and values are developed on-the-job in entry level service industry positions; total of 300 work hours. Permission is required.

HFT 4274  Condominium and Vacation Interval Ownership
3 sh (may not be repeated for credit)
Prerequisite: ACG 3082, HFT 2000
A comprehensive study of timeshare and vacation ownership of condominium properties. Legal structures, projects budgeting, marketing, sales and property management. Students are introduced to the fastest growing segment of the lodging industry. Differences between traditional and non-traditional lodging operations are examined.

HFT 4426  Financial Decision-Making in Hospitality, Recreation and Resorts
3 sh (may not be repeated for credit)
Prerequisite: ACG 3082, HFT 2000
Specialized accounting for hotel revenue and expenses; accounting for inventory, property, and equipment; hospitality payroll accounting; hotel departmental financial statements; the income statement, balance sheet, and statement of cash flows; the analysis of financial statements; interim and annual reports; budgeting expenses; forecasting sales; budgetary reporting analysis; and financial decision-making.

HFT 4753  Convention Facilities and Meetings Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Convention facilities, convention and visitors bureaus, sponsors, host venues, stakeholders, tradeshow and meeting management are examined. Legal issues and trends are studied. The economic impact of meetings and convention business upon destinations is studied.
HFT 4940 Internship in Hospitality, Recreation and Resort Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 3941
Capstone experience working in a hospitality, recreation or resort-related organization whereby students put theory into practice through active participation. Students are supervised by a management-level agency employee as well as by a faculty advisor. A total of 400 hours must be worked. Senior standing and permission is required.

HFT 4945C Senior Capstone Experience in Hospitality, Recreation, and Resort Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 3941
This will be a capstone experience for HRRM students whereby students put theory into practice through active participation and class participation. Students are supervised by management-level agency employee and by faculty academic support. A total of 400 hours will of practicum experience will be completed in addition to classroom instruction. Senior standing and permission will be required.

HUMANITIES Courses

HUM 4911 Interdisciplinary Humanities Capstone
3 sh (may not be repeated for credit)
Designed so the student may integrate and reflect on his or her undergraduate program of study. Internship or research project is closely coordinated with the student’s advisor. Purpose is to provide connection, coherence, and closure to one’s major course of study. Permission is required.

HUM 6910 Master’s Essay
1-3 sh (may be repeated for up to 3.0 sh of credit)
Completion of a comprehensive research essay which attempts to integrate the three fields of study. A committee of faculty, one from each discipline, evaluates on a satisfactory/unsatisfactory basis. Permission is required.

HUM 6971 Thesis
1-8 sh (may be repeated for up to 8.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

INDUSTRIAL AND APPLIED PSYCHOLOGY Courses

INP 3004 Industrial Psychology
3 sh (may not be repeated for credit)
Application of psychological principles to problems of employee selection, placement, merit rating, job analysis, management training and other factors related to productivity.

INP 3313 Organizational Behavior
3 sh (may not be repeated for credit)
Understanding human processes in formal organizations, utilizing individual and group exercises which simulate behavioral dynamics in organizations. Content areas include conflict resolution, communication, leadership, planning and control and other organizational processes. May not be taken for credit by students having credit in MAN 3240. MAN 3025 or equivalent is suggested prior to taking this course, but not required.

INP 4224 Psychology of Workforce Diversity
3 sh (may not be repeated for credit)
Addresses the experience of work as it varies with the gender and ethnic background of workers in the United States. Other bases of diversity (e.g., disability) may also be addressed. Topics include work-related stereotypes and attitudes; discrimination and harassment; career choice, occupational segregation, and employment patterns; group differences related to fair testing and employment practices; the relationship of workforce diversity to processes such as supervision, leadership, mentoring, and power; law and public policy related to diversity and work. Lecture, discussion, and participative learning methods are used. Three hours of psychology or sociology are required prior to taking this course.

INP 5087 Ethics in I/O Psychology
1 sh (may not be repeated for credit)
A one hour seminar-style course that addresses the ethical concerns of I/O psychologists working in such areas as consulting, research, academia, and human resources. Permission is required.

INP 5131 Legal Issues in Industrial/Organizational Psychology
3 sh (may not be repeated for credit)
Exposes students to laws, guidelines, and court cases (e.g., ADA, ADEA, FMLA, Sexual Harassment, Civil Rights Acts) important to human resource functions in organizations, with particular emphasis on employment testing for selection.

INP 6216 Personnel Selection and Appraisal
3 sh (may not be repeated for credit)
Current issues and techniques in selection, placement and appraisal, job analysis, criterion development; the validation process, assessment centers and EEO issues.

INP 6255 Methods in Personnel Psychology
2 sh (may not be repeated for credit)
Prerequisite: INP 6216
Experience in the construction and/or use of various instruments or procedures in personnel psychology. Examples may include personnel selection or performance appraisal devices; job analysis or job evaluations; calculation of reliability, validity or cut off scores or needs assessments for training. Permission is required.

INP 6324 Training and Development
3 sh (may not be repeated for credit)
Examines both the theory and practice of Training and Development in organizations. Provides students with a working knowledge of the industrial psychology model of training the adult learner (i.e., assessing training needs, developing training programs, delivering training programs, and evaluating the success of training interventions). Also explores theories of learning and motivation and post-training strategies for enhancing the success of a training program.
INP 6385  Group Dynamics in Organizations
3 sh (may not be repeated for credit)
Prerequisite: MAN 3025 or PSY 2012 or SOP 3004
Emphasizes the application of general principles and theories derived from group processes research (particularly the social psychological research) to contemporary organizational problems. The classroom experience will be student-centered. Students will be expected to participate in discussion and classroom exercises, and prepare short written analyses of examples and cases. Topics covered may include: group development and socialization, group structure, conformity and influence, conflict, social identity, commitment, power, leadership, performance and decision-making.

INP 6397  Management and Organizational Behavior
3 sh (may not be repeated for credit)
Appreciation and understanding of the field of organizational behavior and its application in managing human and other resources. Also emphasizes understanding individual behavior (motivation, self-awareness, leadership, etc.), and group dynamics (decision-making, group development and work) plus conflict, climate, learning styles, power, stress, process/content, human rights and quality. Utilizes experiential learning methodologies and other appropriate designs. Not available to students having credit for MAN 6156.

INP 6944  Practicum in Industrial Psychology
1-3 sh (may be repeated for up to 6.0 sh of credit)
Primarily for education in traditional industrial areas. Involves placement in an industrial setting. 6-8 hours per week of field experience for every hour of credit. Must be an industrial-organizational program student and permission is required.

INDUSTRIAL ENGINEERING Courses

EIN 4354  Engineering Economy
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311 with a C grade or better
Basic principles and applications of economic decision making between alternatives encountered in engineering systems projects. The analysis will include methodologies of economics and finance in addition to engineering fundamentals. Upper division classification in engineering is required.

INFORMATION SYSTEMS MANAGEMENT Courses

ISM 3011  e-Business Systems Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
Use and application of information system technology in the business environment, with emphasis on the fundamental e-Business models, technology concepts and systems used to enable and conduct electronic business. Concepts include the components of an I.S., the systems development process, the functions of the various types of communication networks, hardware, and software, including practical, hands-on projects designed to enhance e-Business analytical skills. Completion of 45 semester hours of college course work is required prior to this course.

ISM 3235  Business Development Environments
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
Explores the concepts involved in the development of event-driven business applications. Concepts covered include GUI application design and development, object-oriented systems linking business objects, and client-server environments. Uses Visual Basic to demonstrate the concepts. Prior programming experience preferred but not required.

ISM 3323  Information Security Management
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
Information Security in the modern organization is both a management and a technology issue. Course recognizes that technology alone cannot address all the security issues; Prepares students for management and control of security of information systems in organizations; prepares students to make informed decisions regarding administration of information security infrastructure.

ISM 4111  Business Systems Design
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011 and ISM 3235
A project-based introduction to the principles of business information systems design, including the basic methods and procedures involved in planning and controlling the development and modification of a computer-based information system in an organization. Students use modern microcomputer-based, computer-aided systems design tools and techniques to complete design projects. Focuses on the importance of end-user specifications for information systems projects.

ISM 4113  Business Systems Design
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
An advanced course in the application of emerging information technologies to the development of business information systems. Students integrate knowledge from previous courses to plan, analyze, design, and implement a comprehensive, real-world, project. Emphasis is on the integration of business requirements with emerging information technologies to develop the business information systems framework.

ISM 4300  Systems Planning, Design and Control
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
Techniques for the planning, design and control of information systems. Stresses link between strategic planning of the organization and strategic planning of the management information system.

ISM 4400  Decision Support and Expert Systems
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
Current tools and techniques available to support managerial decision-making. Analysis and practice in the building and use of decision support systems and expert/knowledge-based systems.

ISM 4481  Knowledge Management for e-Business
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011 and ISM 3235
Explores the complexities of knowledge management in the e-business era. Uses software tools to analyze data and create business intelligence.
ISM 4483  e-Business Infrastructure Management
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011 and ISM 3235
Explores the technology and management concepts, issues and decisions related to the infrastructure required to support end-to-end, partner-to-partner electronic business processes.

ISM 4943  Internship in Management Information Systems
1-3 sh (may be repeated for up to 3.0 sh of credit)
Prerequisite: Senior status, 2.5 overall GPA, 3.0 GPA in MIS
On as "as available" basis, MIS majors may request an internship by submitting written proposals to their advisor. Proposals must be approved by the advisor, chairperson, and sponsor. Summer semester internships are offered only during the A term. Senior status, 2.5 GPA overall, and a 3.0 GPA in MIS is required. All internships include report on internship experience, including weekly journals, written reports, and an oral presentation to department chairperson. Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.

ISM 6026  Management of Information Systems and Technology
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011 or GEB 5870
Provides the M.B.A. student with a contemporary managerial perspective on the effective use of information systems in global organizations through case analyses and class discussions. Topics include the business value of information systems, integration of information systems with enterprise strategy, the use of information systems to achieve organizational redesign for strategic advantage, and applying the processes of leadership and management to information systems planning and implementation. Contains a portfolio project.

**INTERDISCIPLINARY HONORS Courses**

IDH 1040  Honors Core 1
3 sh (may not be repeated for credit)
Honors Core 1 and Honors Core 2 establish the foundation of the academic experience unique to the Honors program at the University of West Florida. Honors Core 1 focuses on the formulation of the self as it appears in our central literary heritage and examines the overarching guiding questions that have long beset humanity as they appear in core Western texts. Honors Core 1 is designated as a General Studies course. The General Studies curriculum at the University of West Florida is designed to provide a cohesive program of study that promotes the development of a broadly educated person and provides the knowledge and skills needed to succeed in university studies. (Gordon Rule Course: WRTG and General Studies Course: HUM/LIT).

IDH 1041  Honors Core 2
3 sh (may not be repeated for credit)
Honors Core 1 and Honors Core 2 establish the foundation of the academic experience unique to the Honors Program at the University of West Florida. Honors Core 2 allows students to explore the philosophical underpinnings of community, investigate the distinctive features of Western and Eastern notions of communal life, and address the various feature of modern society that threaten community. Students will consider ways in which citizens can benefit from engaging their communities of interest, how they can foster a more meaningful civic life, and ultimately provide leadership to build a better future. (General Studies Course: SS/SOC) Meets Multicultural Requirement.

IDH 3055  Honors Thesis Research Methods
1 sh (may not be repeated for credit)
This course helps students understand the thesis-writing process and covers the basic research methodologies required to begin a thesis project. The class is conducted as a collaborative, hands-on workshop and thus provides a strong level of peer-support for students just beginning work on their theses. The goals of the course are to demystify the thesis process, prepare students to write a successful thesis, and provide intellectual and moral support throughout the early thesis-writing process.

IDH 4030  Honors Seminar: Topic I
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4031  Honors Seminar: Topic II
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4032  Honors Seminar: Topic III
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4033  Honors Seminar: Topic IV
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4034  Honors Seminar: Topic V
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4035  Honors Seminar: Topic VI
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4036  Honors Seminar: Topic VII
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors Program only.

IDH 4037  Honors Seminar: Topic VIII
3 sh (may be repeated for up to 12.0 sh of credit)
Specific Topics will vary; see the Director of the University Honors Program for current offerings. Enrollment in Honors Seminars is by permission of the Director of the Honors program only.
### INTERNATIONAL RELATIONS Courses

**INR 2002**  
**International Politics**  
*3 sh (may not be repeated for credit)*  
Sources and processes of conflict and cooperation among nation-states. (General Studies Course: SS/SOC) Meets Multicultural requirement.

**INR 3006**  
**Conflict, Violence and Peace**  
*3 sh (may not be repeated for credit)*  
Conflict and violence which characterizes domestic politics of many nations. Focus on rebellions, revolutions, and coups. Gandhi’s model of peaceful resolution of conflict. Meets Multicultural requirement.

**INR 3073**  
**Issues in International Politics**  
*3 sh (may not be repeated for credit)*  
Current controversies in international affairs, e.g., terrorism, proliferation of weapons of mass destruction, collective security and peacekeeping, depletion of fisheries and other ocean resources, refugee flows and mass migrations, and globalization will be researched, discussed, and reported on.

**INR 3102**  
**American Foreign Policy**  
*3 sh (may not be repeated for credit)*  
Factors shaping American Foreign Policy in contemporary contexts; emphasis will be placed on the administration of American foreign policy and diplomacy.

**INR 3224**  
**International Relations of East Asia**  
*3 sh (may not be repeated for credit)*  
This course explores security and military issues in East Asia - a region containing four "great powers" (the United States, China, Japan and Russia) and three medium-level powers (the two Koreas and Taiwan) - from the beginning of the cold war up to the current years.

**INR 3225**  
**Vietnam and American Politics**  
*3 sh (may not be repeated for credit)*  
The Vietnam War and its impact upon the political experience and social values of the United States.

**INR 3233**  
**USA-China Relations**  
*3 sh (may not be repeated for credit)*  
Contemporary post-cold war world politics is witnessing radical changes in security environments and relative power distributions among major powers at the global level. The change is more remarkable in Northeast Asia than in other regions in the world as the rise of China both as economic and military power relative to the United States poses unique challenges to future international security. The fast-rising Chinese power vis-a-vis the United States makes the latter reevaluate its role in East Asia, from a hegemonic power to the balancer. This course is designed to provide an overview of their foreign policy dynamics between the United States and the People’s Republic of China from the beginning of the 20th century up to current years. The class discussion is divided into five major parts. First, it begins with a brief overview of different theoretical frameworks - Realism, Liberalism, and Constructivism - that explains inter-state interactions in terms of political, military/security, and other foreign policy issue areas. Next, the class surveys the history of US-China relations, dating back to the 1920s-30s when China was struggling for modern state-building. The third part of the course looks into domestic political contexts of Chinese foreign policy-making in the post-cold war setting. The fourth part discusses important security/military and economic issues revolving around US-China interactions: China’s military modernization program, North Korea’s nuclear development, Taiwan’s independence movement, possibility of Japan’s remilitarization, and US-China trade disputes. The course concludes with a discussion over the future of American grand strategy in East Asia.
INR 3503  Model United Nations
3 sh (may not be repeated for credit)
Students will learn the theory behind the founding, the history, the organization, and the parliamentary procedures of the United Nations. During in-class simulations, they learn to represent the University of West Florida at local or regional Model United Nations conferences, where they would be required to be "in-character," representing the views of their assigned country rather than their own. Requires extensive preparation and research.

INR 4134  Homeland Security
3 sh (may not be repeated for credit)
Analysis of problems and prospects of establishing aggressive intelligence and counterintelligence, as well as emergency management capabilities in a modern threat environment. Offered concurrently with INR 5138; graduate students will be assigned additional work.

INR 4205  Spying: Fact and Fiction
3 sh (may not be repeated for credit)
Examination, in a seminar environment, of various aspects of espionage among major powers in the period 1915-2006. The primary focus of the course is on real-world human intelligence and counterintelligence activities of espionage agencies revealed in six novels. Coverage will be given to operations by German, French, British, Soviet, and U.S. human intelligence organizations supporting their nation's vital interests from World War I and II, the Cold War and in the modern era. Offered concurrently with INR 5206(Spying: Fact and Fiction); graduate students will be assigned additional work.

INR 4334  National Security Policy
3 sh (may not be repeated for credit)
Definition of national values and threats to those values and their sources; design of appropriate measures to meet threats; methods for implementing these measures and the problems which inevitably arise over conflict between perceptions, values and actions. Applications of political violence and non-violence. Offered concurrently with INR 5334; graduate students will be assigned additional work.

INR 5206  Spying: Fact and Fiction
3 sh (may not be repeated for credit)
Examination, in a seminar environment, of various aspects of espionage among major powers in the period 1915-2006. The primary focus of the course is on real-world human intelligence and counterintelligence activities of espionage agencies revealed in six novels. Coverage will be given to operations by German, French, British, Soviet, and U.S. human intelligence organizations supporting their nation’s vital interests from World War I and II, the Cold War and in the modern era. Offered concurrently with INR 4205(Spying: Fact and Fiction); graduate students will be assigned additional work.

INR 5330  National Security Policy
3 sh (may not be repeated for credit)
Definition of national values and threats to those values and their sources; design of appropriate measures to meet threats; methods for implementing these measures and the problems which inevitably arise over conflict between perceptions, values and actions. Applications of political violence and non-violence. Offered concurrently with INR 4334; graduate students will be assigned additional work.

INR 5365  Intelligence
3 sh (may not be repeated for credit)
Covers the origins, mission, functions, and responsibilities of the US security agencies as well as the relationship of intelligence community providers, especially the Director of National Intelligence with key policy makers and overseers such as the President, National Security Council, the Congress, judiciary, media, and public opinion. Offered concurrently with INR 4364; graduate students will be assigned additional work.

INR 6007  Seminar in International Relations
3 sh (may not be repeated for credit)
International Relations as a field study; theory, empirical data, historical development of the field.

JAPANESE Courses

JPN 1120C  Japanese I
4 sh (may not be repeated for credit)
For students with no knowledge of Japanese. Lays a foundation for speaking, writing and reading the language.

JPN 1121C  Japanese II
4 sh (may not be repeated for credit)
Prerequisite: JPN 1120C
Continuation of Japanese I.

JPN 2200  Japanese III
3 sh (may not be repeated for credit)
Prerequisite: JPN 1121C
Japanese III will strengthen speaking and hearing communication skills. Practice on speed, rhythm and pronunciation will be stressed. In addition, this course will focus on basic writing and reading comprehension skills with new Kanji and vocabulary.
JPN 2201  Japanese IV
3 sh (may not be repeated for credit)
Prerequisite: JPN 2200

Japanese IV will continue building speaking and hearing communication skills developed in Japanese III. Intensive practice on speed, rhythm, and pronunciation will be stressed. In addition, this course will focus on strengthening writing and reading comprehension skills and introduce new Kanji and vocabulary.

JPN 3270  Supervised Language Experience Abroad
3 sh (may not be repeated for credit)

Japanese language study in Japan. Two semesters of Japanese or a proficiency in conversational Japanese and permission is required. Meets Multicultural requirement.

JOURNALISM Courses

JOU 2100  Newspaper Reporting
3 sh (may not be repeated for credit)

Principles and procedures in gathering, reporting and writing news and feature articles. (Gordon Rule Course: Wrtg).

JOU 3300  Feature Writing
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Researching and writing feature articles for newspapers, trade journals and general circulation magazines. Includes manuscript preparation and querying of editors for publication. Credit may not be earned in both JOU 3330 and JOU 3300.

JOU 3314  Environmental Reporting
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Focuses on techniques required to research, report and write environmental new stories for newspapers. Students cover an environmental beat during the semester to gain experience with writing about a wide range of issues relating to environmental journalism. The course also examines issues such as reporting ethics, the role of environmental reporters in the community, the history of environmental journalism and utilization of both government databases and the Internet to gain regulatory information for environmental stories. The course explores environmental stories involving public health, public land management, restoration of endangered species, and eco-activism. Permission is required.

JOU 3342  Media Convergence
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Teaches students to report stories simultaneously appearing in print, broadcast and online. Multimedia reporting melds digital technology platforms with traditional reporting skills, ethics and standards.

JOU 3700  Issues in Journalism
3 sh (may be repeated for up to 90.0 sh of credit)

Introduction to major issues challenging news media in today’s digital society, including ethics, public perception of the press, the Internet, political pressures, financial viability and standards of press performance.

JOU 3940  Practicum: Voyager
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: JOU 2100

Experience in preparing news, opinion and feature material for publication in the student newspaper. Permission is required.

JOU 4101  Advanced Newspaper Reporting
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Advanced principles and procedures in gathering, reporting and writing news, features and opinion articles.

JOU 4181  Public Affairs Reporting
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Principles and procedures involved in reporting and writing news stories about public affairs/government for newspapers, broadcasters and online news services. Permission is required.

JOU 4201  Newspaper Editing
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

The editing of local and wire copy for newspapers and other publications. Strong emphasis on principles of grammar, punctuation, diction, syntax, and logic. Headline writing, outline writing, news judgment and photo display. Use of standard reference books.

JOU 4213  Newspaper Design
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Principles and practices in newspaper layout and design. Credit may not be received in both JOU 4213 and JOU 4211.

JOU 4301  Feature Writing
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Advanced principles and procedures in gathering, reporting and writing news, features and opinion articles.

JOU 4302  Editorial Writing
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Principles of and practice in the art of writing persuasively. Focuses on newspaper editorials and commentary.

JOU 4306  Writing Critical Reviews
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100

Devoted to writing reviews of books, film, art, and music. (Gordon Rule Course: Wrtg).

JOU 4308  Magazine Writing
3 sh (may not be repeated for credit)
Prerequisite: JOU 4308 or JOU 2100 or JOU 4213

Principles and practices in the art of writing for magazines. Focuses on in-depth reporting and refined focus for the magazine market. (Gordon Rule Course: Wrtg).

JOU 4445  Magazine Publishing
3 sh (may not be repeated for credit)
Prerequisite: JOU 4308 or JOU 2100 or JOU 4213

This class creates, designs and publishes an online magazine focused on the University of West Florida. Students work as an editorial team led by editors from the class. Positions for which students will apply are executive editor, content editors, design editors, copy editors, graphic/ photo editors and writers. While all students will produce at least one article for the magazine, each will be assigned additional responsibilities. This editorial team, in a collaborative manner, will explore and uncover interesting UWF subjects for articles, investigate those subjects and then write articles that will be edited and used in creative designs.
JOU 6010 Emerging Topics in Media Issues  
1.5 sh (may not be repeated for credit)  
This course explores the rapidly changing mass media landscape including media convergence. Students investigate numerous forms that industry may take in both its news and entertainment aspects. Particular attention is given to the potential implications of strategic communication action within emerging media cultures. The course emphasizes critical analysis of media texts and news information cycles through theoretical frameworks in communication.

JOU 6115 Interviewing and Information Gathering  
3 sh (may not be repeated for credit)  
Provides advanced grounding in how historians, journalists, and qualitative social scientists employ best practices in interviewing and other information seeking to accomplish their objectives.

JUVENILE JUSTICE Courses

CJJ 4010 Juvenile Justice  
3 sh (may not be repeated for credit)  
Examines the nature and extent of delinquency in the United States and the system response to juvenile crime. Particular attention is given to theoretical explanations of juvenile delinquency and examination of how politics, courts, and correctional agencies respond to juvenile offenders, and the effectiveness of these responses.

CJJ 6020 Criminal Justice and the Juvenile  
3 sh (may not be repeated for credit)  
Explores the nature and extent of juvenile delinquency and examines explanatory models and theories of juvenile delinquency. Topics related to the juvenile justice system and the process, such as juvenile waiver to the adult court, diversion and deinstitutionalization, police interaction, and community intervention.

LANGUAGE ARTS AND ENGLISH EDUCATION Courses

LAE 3314 Literacy for the Emergent Learner  
3 sh (may not be repeated for credit)  
Development of pre-service teacher skills and understandings needed for conducting a language arts program at the elementary school level.

LAE 3324 Teaching Language Arts in the Middle and Secondary Schools  
3 sh (may not be repeated for credit)  
Theory/methodology for teaching language arts/literature at the middle and secondary school level; emphasis on teaching strategies for integrating classroom listening, speaking, reading, and writing activities; includes observation/participation in middle and secondary school settings.

LAE 4335 Special Methods in English  
4 sh (may not be repeated for credit)  
Practical application of theory and methodology to teaching English in secondary schools. Involves a six-week classroom practicum, a twelve-week Writing Lab practicum, unit planning, curriculum building, a teaching presentation, a teaching portfolio, and a research project.

LAE 4464 Young Adult Literature  
3 sh (may not be repeated for credit)  
Modern works of literature that have demonstrated appeal for adolescents and works written specifically for the age range of 12 to 20 years. The works will be considered in the context of young adult needs: psychological, social and ethical. Designed primarily for education majors.

LAE 5345 Teaching Pupils to be Effective Writers  
3 sh (may not be repeated for credit)  
Prerequisite: LAE 3314, or LAE 3324, or LAE 4335. Designed to assist K-12 teachers to further develop skills and understandings requisite to implementing a successful writing program in the classroom. Emphasis is placed upon provision of a balance between expressive and practical composition opportunities for pupils and upon instructional procedures to assist pupils to develop the strategies and skills that support effective written communication.

LATIN AMERICAN HISTORY Courses

LAH 3100 Colonial and Revolutionary Latin America  
3 sh (may not be repeated for credit)  
Pre-Columbian cultures and interactions of Spanish and English colonial administrative and economic systems; economic, social, intellectual and political efforts of revolution against Spain. Meets Multicultural requirement.

LAH 3200 Latin America since Independence  
3 sh (may not be repeated for credit)  
Political, economic and social problems of early nationhood; analysis of revolution, development models, role of the military and international relations. Meets Multicultural requirement.

LAW AND PROCESS Courses

CJL 3510 Judicial Process  
3 sh (may not be repeated for credit)  
Examination of the judicial component of the criminal justice system. Analysis of structure, procedures, and personnel of American courts. General discussion of the political and social influences on the judicial process and organization.

CJL 5521 Courts and Society  
3 sh (may not be repeated for credit)  
Analyzes the role of courts in American Society. Examines the various influences on judicial organization, process, and decision making. The impact of courts within society and the criminal justice system are also explored.
LEISURE Courses

LEI 3140  Leisure and Society
3 sh (may not be repeated for credit)
Historical and philosophical foundations of leisure. Examinations of current trends, problems and issues affecting leisure in the United States.

LEI 3301  Travel and Tourism
3 sh (may not be repeated for credit)
Cross-disciplinary examination of the many facets of tourism. The social science perspective provides students with the kind of practical knowledge that can effectively be applied to the hospitality industry. Also provides advanced information that can serve as a bridge to further analysis or study. Examples of local issues and trends important in the tourism industry.

LEI 4300  Strategic Leadership in Hospitality, Recreation, and Resorts
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000, MAN 3025
Analysis of hospitality, recreation, and resort organizations dealing with strategic planning, leadership, management, budgeting, records and reports, risk management, staff organization, and coordination of resources.

LEI 4321  Sport, Adventure and Ecotourism
3 sh (may not be repeated for credit)
Discussion of the concepts, theories and issues relevant to the development of tourism, with an emphasis on sport, adventure and nature based tourism. Examination of the challenges and practices associated with the planning and development of tourism, marketing strategies, funding, government involvement, financing of the infrastructure, event organization, contracts, public relation strategies and career opportunities. Introduction and overview of tourism "niches" including festivals, special events, urban, rural, cultural, peace and educational tourism. Upper level status is required.

LEI 4332  Community Tourism Development
3 sh (may not be repeated for credit)
Prerequisite: LEI 3301
Examines the relationship between tourism development and host communities. Students study the positive and negative economic, social, environmental and political implications of tourism development. The role of natural and man-made attractions, theme parks, convention and sports facilities as catalysts to tourism development. Issues of community participation in tourism planning and managing the tourism/community relationships. Upper level status is required.

LEI 4350  Outdoor Leisure
3 sh (may not be repeated for credit)
Survey of issues affecting outdoor leisure in America from a conservation/environmental perspective; and the effective communication of outdoor leisure values. Analysis of leadership skills associated with outdoor leisure activities.

LEI 4400  Programming and Special Events
3 sh (may not be repeated for credit)
Prerequisite: LEI 3140
Principles of leisure program development and study of program areas, activities, and special events. Analysis of the methods and techniques of program/event design, organization, implementation, and evaluation.
LEI 4602 Hospitality, Recreation and Design 3 sh (may not be repeated for credit)
Examination of the fundamental concepts, the specific principles, and the process of planning and designing hospitality, recreation and resort facilities, including visitor attractions. Students work individually and in teams to design facilities that fulfill travel/recreation expectations, operate graciously in the community, and function efficiently to realize profit. Upper level status is required.

LINGUISTICS Courses
LIN 2670 Practical Grammar and Usage 3 sh (may not be repeated for credit)
Review of the basic principles of writing: grammar, usage, diction, syntax and mechanics, emphasizing usage that is "incorrect," "wrong," "substandard," and "inappropriate.".
LIN 3742 Modern Grammar and Usage 3 sh (may not be repeated for credit)
Grammar of modern English, including traditional; concentration on structural, generative and transformational approaches. Intended for English majors, required of those preparing for careers in secondary education.

LITERATURE Courses
LIT 1122 Great Books I 3 sh (may not be repeated for credit)
Reading/discussion of major literary texts that have shaped Western culture and civilization. (Gordon Rule Course: WRTG and General Studies Course: HUM/LIT).
LIT 2030 Introduction to Poetry 3 sh (may not be repeated for credit)
Elements of poetry, terminology of poetics and the poetic process. Writing of short analytical papers. (Gordon Rule Course: WRTG) and (General Studies Course: HUM/LIT).
LIT 2040 Introduction to Drama 3 sh (may not be repeated for credit)
This course is an introductory survey of drama as literature and performance medium. Through critical reading and analysis of representative texts, beginning with plays from ancient Greece and continuing with plays from various cultures throughout history, students will have an opportunity to experience drama as an aesthetic experience, historical phenomenon, and forum for the expression of cultural and intellectual issues. (Gordon Rule Course: WRTG) (General Studies Course: HUM/LIT).
LIT 2100 Introduction to Literature 3 sh (may not be repeated for credit)
Literature from various nations and historical periods chosen to reflect the evolution of the major genres of the Western literary tradition. Guides the student in defining the features which distinguish drama, fiction and poetry. (Gordon Rule Course: WRTG) and (General Studies Course: HUM/LIT) Meets Multicultural requirement.
MANAGEMENT Courses

MAN 3025  Management Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 semester hours of college course work is required prior to taking this course.

Study of principles of management. Process and content of management analyzed. Emphasizes classical, human relations, human resources, behavioral and quantitative management methods. Content includes planning, organizing, leading, control, employment cycle, organization design, and motivation.

MAN 3240  Behavior in Organizations
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 semester hours of college course work is required prior to taking this course.

A study of human and group behavior in organizations and within society. The focus is on developing student ability to work in group settings and organizations. Topics include personality, motivation, leadership, communication, power, change, and conflict. May not be taken for credit by students having credit for INP 3313.

MAN 3301  Human Resources Management
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 semester hours of college course work is required prior to taking this course.

Introduction to personnel administration; emphasis on the basic personnel function of both the personnel specialist and the operating manager. Critical issues stressed include selection, compensation, OSHA, EEO, unions and discipline.

MAN 3504  Operations Management
3 sh (may not be repeated for credit)
Prerequisite: STA 2023

Application of quantitative and qualitative management techniques for improving quality and efficiency of manufacturing and service organizations. Coverage of productivity, quality, forecasting, design of goods/services, project management and other related topics.

MAN 3550  Introduction to Management Science
3 sh (may not be repeated for credit)
Prerequisite: MAN 3025, MAC 2233

Quantitative decision-making methods and their application to planning and control of operations. Systems concept of organization and mathematical reasoning in decision-making emphasized. Cases and incidents provide illustrations.

MAN 3583  Project Management
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 hours of college course work is required prior to taking this course.

An introduction to the field of Project Management. Covers concepts and skills used to propose, plan, secure resources, budget, manage risk, and lead teams to successful project completion. The course emphasizes the universal nature of the techniques which enable individuals to manage a variety of projects in diverse organizational settings. Students individually develop project plans for projects in their respective disciplines.

MAN 3802  Small Business/Family Business Management
3 sh (may not be repeated for credit)
Prerequisite: ACG 2071, ECO 2023, MAN 3025, and MAR 3023

Introduces the student to the world of small business and family business management. Explores the managerial processes related to these areas and differentiates them from those found in corporations and large organizations. Provides the student with an opportunity to analyze the mind of the small business manager, brainstorm potential business options, and consider various contemporary issues facing the small business manager. Group projects will be utilized and oral and written reports will be required.

MAN 3949  Cooperative Education
1-2 sh (may be repeated for up to 4.0 sh of credit)

Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of director of Cooperative Education is required.

MAN 4102  Management of Diversity
3 sh (may not be repeated for credit)

Roles, behaviors, career paths, motivational strategies, obstacles, and collegial reaction to managing diversity within the labor force are an integral aspect of the course. Personal assessment of communication styles and diversity in management styles. Discussions focus on diversity awareness and strategies to enhance productivity through team effort. Emphasis on proactive steps to integrate a diverse work force toward a more productive unit. Offered concurrently with MAN 5116; graduate students will be assigned additional work. Meets Multicultural requirement.

MAN 4330  Compensation and Benefits
3 sh (may not be repeated for credit)
Prerequisite: MAN 3301

Compensation and benefits play an important role in attracting, motivating, and retaining employees. This course examines how to establish and manage effective compensation and benefits systems that support the organization’s strategic direction while also meeting employee needs and complying with legal requirements. Offered concurrently with MAN 5331 graduate students will be assigned additional work.

MAN 4350  Staffing, Training and Development
3 sh (may not be repeated for credit)
Prerequisite: MAN 3301
Co-requisite: MAN 5351

Employees are commonly recognized as an organization’s most valuable resource. Thus, effectively staffing an organization is one of the most critical managerial responsibilities. This course examines the best practices in staffing, training and development so that students may learn how to establish and effectively manage both staffing systems and training and development programs. Offered concurrently with MAN 5351; graduate students will be assigned additional work.
MAN 4441  Business Negotiation
3 sh (may not be repeated for credit)
Prerequisite: Completion of 60 semester hours of college course work is required prior to taking this course.

A practical understanding of negotiation theories and concepts from a business perspective is offered. Students differentiate and practice distributive and integrative negotiation strategies via business related role plays and cases. As future managers, students: 1) practice negotiation where their responsibility exceeds their authority; 2) build coalitions among different stakeholders; and 3) analyze business conflict situations and select strategies to resolve differences. Offered concurrently with MAN 5446; graduate students will be assigned additional work.

MAN 4720  Policy Analysis and Formulation
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403, MAN 3025, MAN 3504, MAR 3023

Aggregate planning and development of overall policy for organizations. Emphasizes the system interrelationship of the functional areas of enterprise from the viewpoint of top executives. Senior status and permission is required.

MAN 4750  The Future: Projecting, Planning and Managing
3 sh (may not be repeated for credit)
Roles that individuals and organizations have in managing the future. Senior status is required; business majors only.

MAN 4801  Business Plan Development for New Ventures
3 sh (may not be repeated for credit)
Prerequisite: BUL 3130, FIN 3403, MAN 3025, MAR 3023

Students working in teams will brainstorm potential business options and develop a business plan to serve as a strategic roadmap for the proposed venture as well as the basis for seeking financial support from lenders and/or investors. Business plans will be presented to a jury of practitioners who will evaluate its practical merits and the presentation. Group projects will be utilized and oral and written reports will be required.

MAN 4940  Internship in Management
1-6 sh (may be repeated for up to 6.0 sh of credit)

On an "as available" basis, management majors may request an internship in management by submitting written proposals to faculty advisors. Proposals must be approved by advisor, chairperson and sponsor. Students must have a 2.5 GPA overall and a 3.0 GPA in management to be eligible for internships. All internships include seminar on internship experience, including written reports. Graded satisfactory/unsatisfactory basis only. Senior status required. Permission is required.

MAN 5116  Management of Diversity
3 sh (may not be repeated for credit)

Roles, behaviors, career paths, motivational strategies, obstacles, and collegial reaction to managing diversity within the labor force are an integral aspect of the course. Personal assessment of communication styles and diversity in management styles are provided. Discussions focus on diversity awareness and strategies to enhance productivity through team effort. Emphasis on proactive steps to integrate a diverse work force toward a more productive unit. Offered concurrently with MAN 4102; graduate students will be assigned additional work. All majors encouraged. Graduate student status is required.

MAN 5311  Compensation and Benefits
3 sh (may not be repeated for credit)
Prerequisite: Graduate standing
Co-requisite: MAN 4330

Compensation and benefits play an important role in attracting, motivating, and retaining employees. This course examines how to establish and manage effective compensation and benefits systems that support the organization's strategic direction while also meeting employee needs and complying with legal requirements. Offered concurrently with MAN 4330 graduate students will be assigned additional work.

MAN 5351  Staffing, Training and Development
3 sh (may not be repeated for credit)
Prerequisite: Graduate standing
Co-requisite: MAN 4350

Employees are commonly recognized as an organization's most valuable resource. Thus, effectively staffing an organization is one of the most critical managerial responsibilities. This course examines the best practices in staffing, training and development so that students may learn how to establish and effectively manage both staffing systems and training and development programs. Offered concurrently with MAN 4350; graduate students will be assigned additional work.

MAN 5446  Business Negotiation
3 sh (may not be repeated for credit)
Prerequisite: Graduate standing

A practical understanding of negotiation theories and concepts from a business perspective is offered. Students differentiate and practice distributive and integrative negotiation strategies via business related role plays and cases. As future managers, students: 1) practice negotiation where their responsibility exceeds their authority; 2) build coalitions among different stakeholders; and 3) analyze business conflict situations and select strategies to resolve differences. Offered concurrently with MAN 4441; graduate students will be assigned additional work.

MAN 5806C  Small Business Management Consulting
3 sh (may not be repeated for credit)

Practicum in providing management assistance to small businesses in area. Usually students work in pairs and provide assistance to two business firms. Weekly meetings, teaching in consulting and final written report on each firm constitute principal elements. Senior or graduate status, 3.0 GPA and permission are required.

MAN 6156  Management and Organizational Behavior
3 sh (may not be repeated for credit)

Appreciation and understanding of the field of organizational behavior and its application in managing human and other resources. Emphasizes understanding individual behavior (motivation, self-awareness, leadership, etc.) and group dynamics (decision-making, group development and work) plus conflict, climate, learning styles, power, stress, process/content, human rights and quality. Utilizes experiential learning methodologies and other appropriate designs. May not be taken for credit by students having credit for INP 6397. Permission is required.
MAN 6285 Organizational Change and Development
3 sh (may not be repeated for credit)
Prerequisite: MAN 6156
Organizational development: change agenty, role of self in O.D., change theory, feedback methodology, relationship building, team building and quality. Lab learning methodology. Expanded emphasis on field work and application can follow as MAN 6943. May not be taken for credit by students having credit for SOP 6668.

MAN 6511 Operations Management Problems
3 sh (may not be repeated for credit)
Prerequisite: QMB 6305
Planning and control of domestic and multinational service and manufacturing operations utilizing information inside and outside the organization. Techniques to plan and improve location, layout, flow through the facility, design of work, and management of the human factor; all with an emphasis on management and maintenance of quality. Contains a portfolio project.

MAN 6721 Strategic Management and Policy Formulation
3 sh (may not be repeated for credit)
Prerequisite: FIN 6406, MAR 6815, ECP 6705
Utilizes case analysis, a strategic simulation and other related experiential exercises. Integrates and applies the various business management functions from the strategic viewpoint of the organizational chief executive officer. Designed for M.B.A. candidates and should be taken the last semester before graduation. Permission is required.

MARKETING Courses

MAR 3023 Marketing Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 semester hours of college coursework is required prior to taking this course.

Function of marketing in our economic system; role of the consumer in marketing decisions; the decisions marketing managers must make to provide goods and services priced, promoted and distributed to meet organizational objectives in changing environments.

MAR 3202 Supply Chain Logistics Management
3 sh (may not be repeated for credit)
Presents the fundamental elements of integrated supply chain and logistics management. It examines the strategic and operational decisions necessary to plan, implement, and control the procurement, storage, management, and distribution of materials, components, and finished goods. Emphasis is placed on product, service, information, and financial flows as facilitated by supply chain logistics strategies, transportation and distribution center operations, facility and network design, inventory and order management, customer service, information execution systems, and outsourcing decisions.

MAR 3370 Information Sources for Business Decisions
3 sh (may not be repeated for credit)
Focuses on various secondary information sources that may be used for business decisions. Students learn how secondary information is organized, what types of secondary information sources are available and how these sources may be effectively and efficiently searched. Emphasis is placed on learning the types of online information services and knowledge of when to use which service. A course project is designed to teach students to evaluate, integrate, and report information. A valuable tool in helping students access information; should be taken early in the junior year if possible. Students will be expected to have some familiarity with Windows and the Internet.

MAR 3503 Consumer Behavior
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
The study of people as customers of business - how they think and feel when making purchase choices and how they behave in the marketplace. Draws from theory in marketing, social psychology, anthropology, economics, and other social sciences to describe how customers respond to marketing strategies. Emphasis on how to use this in-depth understanding of the market to create winning marketing and business strategy.

MAR 3714 Sports Markets
3 sh (may not be repeated for credit)
Prerequisite: ECO 2013 and ECO 2023, or ECO 3003, MAR 3023.
Systematic study of the spectator sports industry. The role and importance of the commercial sector is a particular emphasis. Focus on the structure and characteristics of sports markets and how to develop them with sports marketing.

MAR 3860 Customer Relationship Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Understanding the needs, desires and behavior of customers often determines which company will survive. Customer Relationship Management (CRM) is doing business through one-to-one relationships using new technological advances created by the information revolution. Focuses on customer development and retention, particularly for the firm’s best customers, with emphasis on the management of customer relationships.

MAR 3948 Service Learning Field Study II
1-3 sh (may not be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty “customize” courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student’s faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.
MAR 3949  Cooperative Education
1-2 sh (may be repeated for up to 4.0 sh of credit)
Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of director of Cooperative Education is required.

MAR 4156  Seminar in International Marketing
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023, FIN 3403, GEB 4361.
Emphasis on the emergence of a global marketplace and significant new challenges facing business management in a competitive and rapidly changing international environment. Stresses the problems and challenges that differences in cultural, political, and socioeconomic environments introduce into the marketing process in international operations. Main focus is on the European Union, broadly interpreted to include countries throughout Europe. Foreign competitors and their effects on the American market will also be explored. Meets Multicultural requirement.

MAR 4231  Retail Strategy
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Instruction in beginning a successful management career in retailing. The retail firm is presented as an integral part of the overall supply chain with emphasis on entrepreneurial and small business retail strategy and operations applicable to a wide variety of industries. Focus is on equipping students with knowledge and skills necessary to create realistic and successful retail strategy.

MAR 4321  Integrated Marketing Communications: Principles
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Examines the principles of advertising, sales promotion, and related tools within the context of the overall marketing communications program. Focuses on the relationship of advertising, sales promotion, and other tools to marketing plans, the different types of strategic and tactical methods which can be employed, and the evaluation of the overall campaign.

MAR 4324  Integrated Marketing Communications: Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023 and one of the following: ADV 3000 or MAR 4324.
Formulation of marketing communication policies involving an analysis of cases dealing with the role of marketing communication in marketing; determination of objectives, strategy, appropriation policy, media selection, evaluating marketing communication results, and organization of marketing communication functions.

MAR 4403  Sales Management
3 sh (may not be repeated for credit)
Analysis of the manager's role in sales force management and related organizational environments. Getting results through others by planning, organizing, staffing, directing, controlling, and motivating employees to achieve the organization's objectives. The process of attaining influence, recognition, and power in an organization.

MAR 4412  Professional Selling Methods
3 sh (may not be repeated for credit)
Analysis of professional selling methodology including communication, persuasion, negotiation, and salesmanship. Evaluation of these principles in both business and social environments.

MAR 4613  Marketing Research
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023, STA 2023
Conducting marketing research to provide information to be used in decision-making. Emphasis placed on problem formulation and evaluation of research designs leading to problem resolution. Data analysis using statistical analysis package and research report writing. Requires marketing research project. Offered concurrently with MAR 5616; graduate students will be assigned additional work.

MAR 4721  Internet Marketing Principles
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Examines the principles of Internet Marketing in the context of an integrated marketing program. Internet marketing strategies and tactics will be examined in order to implement business operations on the Internet. Students will be exposed to Web design packages and techniques useful in the development of Internet Marketing Web sites.

MAR 4726  Internet Marketing Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023, MAR 4721
Examines the principles of Internet Marketing in the context of an integrated marketing program. Internet marketing strategies and tactics will be examined in order to implement business operations on the Internet. Students will be exposed to Web design packages and techniques useful in the development of Internet Marketing Web sites.

MAR 4728  High Tech Product Marketing Strategy
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Examines the principles of Internet Marketing in the context of an integrated marketing program. Internet marketing strategies and tactics will be examined in order to implement business operations on the Internet. Students will be exposed to Web design packages and techniques useful in the development of Internet Marketing Web sites.

MAR 4803  Marketing Strategy
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023, MAR 3503, ACG 3311, FIN 3403
The integrative capstone experience for all marketing program specializations. Instructional focus is on blending knowledge gained in previous marketing and other business course work with advanced analysis skills in a strategic decision-oriented environment. Course relies primarily on case analysis as an instructional method. Should be taken in the last semester of the student's program of study.
MAR 4841 Services Marketing
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
The US, as well as much of the world economy, is dominated by services. Service organizations such as banks, transportation companies, hotels, educational institutions, and consulting firms require a distinctive approach to marketing—both in its development and execution. This course will build and expand on ideas from Marketing Fundamentals and other marketing courses to address the distinct needs and challenges of managing services and delivering quality service to customers. Credit may.

MAR 4941 Marketing Internship
1-6 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: MAR 3023
Supervised field practicum in marketing-related position. May include activities in any one or more functional areas of marketing (research, sales, advertising, promotion, etc.). Graded on satisfactory/unsatisfactory basis only. A 3.0 GPA in major courses and permission are required.

MAR 5616 Marketing Research
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023 and STA 2023
Conducting marketing research to provide information to be used in decision-making. Emphasis placed on problem formulation and evaluation of research designs leading to problem resolution. Data analysis using statistical analysis package and research report writing. Requires marketing research project. Offered concurrently with MAR 4613; graduate students are required to write an additional research paper or its equivalent.

MAR 6815 Marketing Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023, QMB 6305
Creation of enduring and mutually satisfactory customer relationships through the provision of customer value as an enterprise management philosophy. With consideration given to operating environments, the course is designed to teach the formulation, implementation, and control of comprehensive marketing strategy with emphasis on the integrative aspects of the marketing function in a market-based enterprise. Both qualitative and quantitative analyses are used in an applications-oriented context. Contains a portfolio project.

MARKETING AND DISTRIBUTIVE EDUCATION Courses

DEC 4401 Special Teaching Methods: Distributive Education
4 sh (may not be repeated for credit)
Develops skill and competencies in special methods for those teaching distributive education in secondary schools. Includes latest instructional materials and methods for cooperative/distributive education.

MASS MEDIA COMMUNICATION Courses

MMC 2000 Principles of Mass Communication
3 sh (may not be repeated for credit)
Principles, issues, organizations and functions of film, radio, television, print and other media of mass communication. Consideration of current practices and recent developments and their implications for the future direction of mass media. (General Studies Course: SS/SOC).
MATHEMATICS Courses

MAT 1033 Intermediate Algebra
4 sh (may not be repeated for credit)
Provides preparation in the elements of algebra that are required for higher mathematics and statistics courses. Covers basic principles and techniques of the following topics: factoring algebraic expressions, manipulation of algebraic fractions, radicals and exponents; complex numbers, linear, quadratic and rational equations, systems of linear inequalities and their graphical representation, introduction to functions. College preparatory algebra or appropriate score on placement test is required prior to taking this course. Credit towards Gordon or General Studies cannot be earned in MAT 1033.

MAT 4500 Undergraduate Proseminar in Mathematics/Statistics
1 sh (may not be repeated for credit)
Each senior (except students with the secondary track specialization) shall, under the supervision of a project advisor, independently investigate a topic or topics in mathematics/statistics or mathematics education. The student shall submit a formal written report and make an oral presentation of the results of his/her investigations. The goal of the proseminar is to provide students with an opportunity to integrate the experience and knowledge they have gained during their undergraduate studies. Graded on satisfactory/unsatisfactory basis only. Senior standing and permission is required.

MAT 6930 Proseminar in Mathematics
1 sh (may not be repeated for credit)
Each M.A. or M.A.T. candidate (except those who choose the thesis option) shall, under the direction of a project advisor, independently investigate a topic or topics in mathematics/statistics or mathematics education through the study of journal articles or other appropriate sources. The candidate shall submit a formal written report and make an oral presentation of the results of his/her investigations. The goal of the proseminar is to provide students an opportunity to integrate the total experience gained during their graduate training. Graded on satisfactory/unsatisfactory basis only. M.A. candidacy and permission is required.

MAT 6971 Thesis
1-6 sh (may be repeated for up to 8.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

MATHEMATICS: ALGEBRAIC STRUCTURES Courses

MAS 3105 Linear Algebra
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312
Systems of linear equation, row echelon form, matrix algebra, determinants and their properties, vector spaces, linear independence, base and dimension, row and column spaces, linear transformations and their matrix representations, similarity, inner product and orthogonality, eigenvalues and eigenvectors, diagonalization, applications of linear algebra. (Gordon Rule Course: Theoretical Math).

MAS 4156 Vector Analysis
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313
Vector algebra and calculus; line, surface and volume integrals, theorems of Green, Gauss and Stokes. (Gordon Rule Course: Theoretical Math).

MAS 4203 Number Theory
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202
Divisibility properties of integers, number-theoretic functions, Diophantine equations, theory of congruences and topics in cryptography. (Gordon Rule Course: Theoretical Math).

MAS 4301 Abstract Algebra
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202
Concepts of basic algebraic structures, set, group, ring, integral domain and field. (Gordon Rule Course: Theoretical Math).

MAS 5145 Matrix Theory
3 sh (may not be repeated for credit)
Canonical forms of matrices, similarity, quadratic forms.

MATHEMATICS: ANALYSIS Courses

MAA 4211 Advanced Calculus I
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313 and MHF 3202
The theory of functions of a real variable. Inequalities, sequences, rigorous discussion of limits, continuity, differentiability and Riemann integrals. Basic concepts of point set topology on the real line. (Gordon Rule Course: Theoretical Math).

MAA 4212 Advanced Topics in Multi-Variable Calculus
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313
Differential and integral calculus of functions of several variables. Basic concepts of point set topology on the plane, partial derivatives, chain rule, multiple integrals and their transformations, infinite series, uniform convergence of sequences and series of functions. (Gordon Rule Course: Theoretical Math).

MAA 4402 Analytic Functions
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313
Parts of the theory of complex variables that are prominent in applications of the subject. Topics covered: the algebra and geometry of complex numbers, Cartesian and polar representation, differentiability of complex functions, analytic functions, the elementary functions, contour integrals and the Cauchy-Goursat theorem, the Cauchy integral formulae, power series expansions, residue theorem. Offered concurrently with MAA 5404; graduate students will be assigned additional work.

MAA 5404 Analytic Functions
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313
Co-requisite: Senior standing is required.
Parts of the theory of complex variables that are prominent in applications of the subject. Topics covered: the algebra and geometry of complex numbers, Cartesian and polar representation, differentiability of complex functions, analytic functions, the elementary functions, contour integrals and the Cauchy-Goursat theorem, the Cauchy integral formulae, power series expansions, residue theorem. Senior standing is required. Offered concurrently with MAA 4402; graduate students will be assigned additional work.
MAA 6306  Real Analysis
3 sh (may not be repeated for credit)
Prerequisite: MAA 4211 Advanced Calculus I

A classical real analysis course begins with a typological study of the real number line and includes the Holder and Minowski inequalities, and other classical inequalities; metric spaces, open and closed sets, convergence, Cauchy sequences, completeness continuity; normed spaces. The course also includes the Lebesgue integral on the real line, convergence results for sequences of functions.

MATHEMATICS: APPLIED Courses

MAP 2302  Differential Equations
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313


MAP 4115  Introduction to Stochastic Processes
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312

General stochastic processes with emphasis on Markov Chains, stationary distribution of Markov Chains, Renewal Theory, Branching processes, Queueing systems, applications to quality control. (Gordon Rule: Mathematics-Applied). Offered concurrently with MAP 5116; graduate students will be assigned additional work.

MAP 4341  Partial Differential Equations
3 sh (may not be repeated for credit)
Prerequisite: MAP 2302

First-order equations, derivation and classification of second-order equations. Solution techniques of boundary value and initial value problems; applications. (Gordon Rule Course: Theoretical Math) Offered concurrently with MAP 5345; graduate students will be assigned additional work.

MAP 5116  Introduction to Stochastic Processes
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312 or equivalent

General stochastic processes with emphasis on Markov Chains, stationary distribution of Markov Chains, Renewal theory, Branching processes, Queueing systems, applications to quality control. Offered concurrently with MAP 4115; graduate students will be assigned additional work.

MAP 5345  Partial Differential Equations
3 sh (may not be repeated for credit)
Prerequisite: MAP 2302

First-order equations, derivation and classification of second-order equations. Solution techniques of boundary value and initial value problems; applications. (Gordon Rule Course: Theoretical Math) Offered concurrently with MAP 4341; graduate students will be assigned additional work.

MAP 5471  Advanced Probability and Inferences
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313

Advanced topics in probability, limit theorems, limiting distributions, order statistics, weak law of large numbers, strong law of large numbers, central limit theorem. Advanced topics in point and interval estimation, measures of quality of estimates, Exponential families, Completeness, Unbiasedness, Cramer-Rao inequality, Rao-Blackwell theorem, minimum variance unbiased estimators, maximum likelihood estimators principles, Bayes’ and minimax estimation, Robust estimation; Advanced hypothesis testing.

MAP 6106  Mathematical Methods of Operations Research I
3 sh (may not be repeated for credit)
Prerequisite: MAS 3105 or MAS 5145 and STA 4321

Mathematical linear programming models, theory of simplex method, revised simplex methods, dual simplex methods; duality theory and sensitivity analysis, transportation problems, theory of integer programming. Credit may not be received for both MAP 6106 and STA 6607.

MAP 6107  Mathematical Methods of Operations Research II
3 sh (may not be repeated for credit)
Prerequisite: MAP 6106 or STA 6607

Interior-point algorithm, linear goal programming, game theory, nonlinear programming, network analysis, PERT/CPM, queueing theory. Credit may not be received in both MAP 6107 and STA 6608.

MAP 6108  Mathematical Modeling and Initial and Boundary Value Problems
3 sh (may not be repeated for credit)
Prerequisite: MAA 4212, MAP 2302, and MAS 3105.

Methodology and framework for mathematical modeling. Current topics in applied mathematics will be presented emphasizing the interdependency of mathematics and its applications to physical, societal and other "real world" phenomena.

MATHEMATICS: CALCULUS AND PRECALCULUS Courses

MAC 1105  College Algebra
3 sh (may not be repeated for credit)
Prerequisite: MAT 1033 OR 520 SAT or 22 ACT

Provides the concepts and techniques of algebra that are needed to understand subjects such as statistics and economics which contain a considerable amount of quantitative reasoning. Is additionally a preparatory course for the study of calculus. Major topics include: the concept of functions, graphs of functions and relations, operations on functions, rational functions, exponentials and logarithms, systems of equations and inequalities, applications. Prerequisite course or appropriate score on placement test is required. Students may earn 3 semester hours credit toward Gordon Rule for MAC 1105. (Gordon Rule Course: Theoretical Math and General Studies Course: MAT/ALG).
MAC 1114 Trigonometry
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MAC 1140
Trigonometric functions, their properties and graphs, inverse
trigonometric functions, their properties and graphs, trigonometric
identities, conditional trigonometric equations; solutions of triangles,
vector algebra, parametric equations, polar coordinates, applications.
College Algebra or a strong high school algebra background is
required. (Gordon Rule Course: Theoretical Math and General Studies
Course: MAT/MAT).
MAC 1140 Precalculus Algebra
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MAC 1140
Stresses the aspects of algebra that are important for the calculus
sequence. Lays emphasis on graphs in the study of functions and
algebraic relations. Covers polynomials; rational functions; logarithmic,
exponential, and piecewise defined functions; inequalities; conic
sections; matrices; sequences, and series; mathematical induction.
Prerequisite course or appropriate score on placement test is required.
Students may earn 3 semester hours credit toward Gordon Rule
for MAC 1140.(Gordon Rule Course: Theoretical Math and General
Studies Course: MAT/ALG).
MAC 2233 Calculus with Business Applications
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MAC 1140 or MAC 1140
Sets and functions; derivatives; areas under a curve; integration;
exponentials and logarithms; applications of derivatives and integrals.
(Gordon Rule Course: Theoretical Math) and (General Studies Course:
MAT/MAT).
MAC 2311 Analytic Geometry and Calculus I
4 sh (may not be repeated for credit)
Prerequisite: MAC 1114 and MAC 1140
Differential and Integral Calculus of Algebraic, Trigonometric, and
Transcendental functions of single variables. Related applications.
(Gordon Rule Course: Theoretical Math) and (General Studies Course:
MAT/MAT).
MAC 2312 Analytic Geometry and Calculus II
4 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Application of the Definite Integral. Hyperbolic and Inverse
Trigonometric Functions. Methods of Integration. Sequences and
Infinite Series. (Gordon Rule Course: Theoretical Math) and (General
Studies Course: MAT/MAT).
MAC 2313 Analytic Geometry and Calculus III
4 sh (may not be repeated for credit)
Prerequisite: MAC 2312
Analytic Geometry and Calculus. Vectors and Vector-Valued
Functions. Partial Differentiation. Multiple Integration. (Gordon Rule
Course: Theoretical Math) and (General Studies Course: MAT/MAT).
MAC 3949 Cooperative Education
1-2 sh (may be repeated for up to 4.0 sh of credit)
Alternating full-time or consecutive parallel terms of practical
experience in the intended field. Reinforcing academic preparation;
confirming educational and career goals; personal and professional
development; early start in career; earnings toward self-support;
improved employability. (See program description under Cooperative
Education). Graded on satisfactory/unsatisfactory basis only.
Permission of director of Cooperative Education is required.

MATHEMATICS: DISCRETE Courses

MAD 3107 Discrete Mathematics and Applications
3 sh (may not be repeated for credit)
Prerequisite: COT 3100C or MHF 3202
Introductory combinatorics, counting, graphs and trees, and their
applications; relations and partial orders; some algorithms associated
with applications of graphs, trees, and relations. (General Studies
Course: MAT) and (Gordon Rule Course: Theoretical Math).
MAD 4301 Graphs and Their Application
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202
Directed and undirected graphs, basic concepts and terminology,
paths and cycles, Euler and Hamiltonian cycles, bipartite Graphs,
matchings in bipartite graphs, connectivity, graph colorings, planar
graphs, graph models, and applications. Offered concurrently with
MAD 5305; graduate students will be assigned additional work.
MAD 4401 Numerical Analysis
3 sh (may not be repeated for credit)
Prerequisite: MAS 3105
Numerical solutions of equations in one variable, interpolation and
polynomial approximation, numerical differentiation and integration,
numerical solutions of initial value and boundary value problems for
O.D.E., direct methods for solving linear systems, iterative techniques
in matrix algebra. Some problems solved with aid of computer. A
computer language is required prior to this course. (Gordon Rule
Course: Theoretical Math).
MAD 4605 Coding Theory
3 sh (may not be repeated for credit)
Prerequisite: MAS 3105
Explores coding theory from a mathematical viewpoint. Focuses
mainly on binary codes and codes over fields of characteristic
2. Introduces error-detecting and error-correcting codes and the
construction, encoding and decoding of certain families of codes
important in engineering and computer science. Offered concurrently
with MAD 5608; graduate students will be assigned additional work.
MAD 5305 Graphs and Their Applications
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202
Directed and undirected graphs, basic concepts and terminology,
paths and cycles, Euler and Hamiltonian cycles, bipartite graphs,
matchings in bipartite graphs, connectivity, graph colorings, planar
graphs, graph models, and applications. Offered concurrently with
MAD 4301; graduate students will be assigned additional work.
MATHEMATICS: EDUCATION Courses

MAE 4310 Teaching Mathematics in the Elementary School 3 sh (may not be repeated for credit)
Theory and methods for teaching mathematics in the elementary school; contemporary approaches to teaching concepts, number systems, numeration systems, computational algorithms, problem solving, informal geometry, measurement and other topics.

MAE 4320 Teaching Mathematics in the Middle and Secondary Schools 3 sh (may not be repeated for credit)
Theory and methods of teaching mathematics in the middle and secondary schools; contemporary approaches to teaching concepts, number systems, numeration systems, computational algorithms, problem solving, informal geometry, measurement and other topics. Includes observation/participation in appropriate school settings.

MAE 4338 Teaching Geometry Concepts in Secondary Education I 3 sh (may not be repeated for credit)
Assists middle and secondary level teachers to develop theoretical understanding and skills necessary to teach in a manner consistent with current reform efforts in mathematics education. Focuses on components of understanding mathematics teaching and learning: 1) how students learn mathematics; 2) the role of the teacher in delivering effective mathematics lessons.

MAE 4346 Fractions, Decimals and Percents 3 sh (may not be repeated for credit)
Teachers work with fundamental concepts in fractions, decimals, and percents and their interrelationships. Another focus is student's misconceptions and difficulties.

MAE 4657 Mathematics for the 21st Century 3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Utilizes appropriate technologies for teaching mathematics at the middle and secondary school levels. Offered concurrently with MAE 4658; graduate students will be assigned additional work.

MAE 4658 Mathematics for the 21st Century 3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Utilizes appropriate technologies for teaching mathematics at the middle and secondary school levels. Offered concurrently with MAE 4657; graduate students will be assigned additional work.

MAE 5338 Teaching Geometry Concepts in Secondary Education II 3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MGF 1106
For graduate students in mathematics education. Topics include Euclidean and analytic geometry, inductive and deductive reasoning, two- and three-dimensional figures. Admission to Teacher Education.

MAE 5647 Exploring Data Analysis 3 sh (may not be repeated for credit)
Teachers engage in a process of data analysis that includes posing questions, collecting and describing data, developing statistics or graphical displays, and forming conclusions. They develop a variety of statistical thinking skills and an appreciation for data analysis as a tool for answering important real-world questions.

MAE 5658 Mathematics for the 21st Century 3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Utilizes appropriate technologies for teaching mathematics at the middle and secondary school levels. Offered concurrently with MAE 4658; graduate students will be assigned additional work.

MAE 5659 Mathematics for the 21st Century 3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Utilizes appropriate technologies for teaching mathematics at the middle and secondary school levels. Offered concurrently with MAE 4657; graduate students will be assigned additional work.

MAE 6115C Teaching Mathematics in Elementary Education 3 sh (may not be repeated for credit)
Analysis and evaluation of new programs and practices in teaching elementary school mathematics, including study of effects of these programs on teaching methods and materials; lab experiences including design, field testing and evaluation of activity-oriented lessons in mathematics and development of competence in the use of teaching aids in mathematics instruction; contemporary approaches to teaching elementary mathematics concepts and problem solving; development of competence in the use of alternative assessment techniques.

MAE 6128 Proportional Reasoning 3 sh (may not be repeated for credit)
Proportional reasoning applies to many contexts and areas of mathematics and is central to teaching and learning in the middle grades. Explores aspects of proportional reasoning including ratio, proportion, similarity, slope, unit analysis, and measurement conversions. Activities include determining when proportional reasoning does and does not apply, using formal and informal approaches to solve problems involving proportional reasoning, and recognizing students' understanding of and common misconceptions of proportionality.

MAE 6346 Fractions, Decimals and Percents 3 sh (may not be repeated for credit)
Teachers work with fundamental concepts in fractions, decimals, and percents and their interrelationships. Another focus is student's misconceptions and difficulties.

MAE 6361 Teaching Mathematics in Middle Level and Secondary Education 3 sh (may not be repeated for credit)
Co-requisite: EDM 6944 or ESE 6944
Assists middle and secondary level teachers to develop theoretical understanding and skills necessary to teach in a manner consistent with current reform efforts in mathematics education. Focuses on components of understanding mathematics teaching and learning: 1) how students learn mathematics; 2) the role of the teacher in delivering effective mathematics lessons.

MAE 6386 Teaching Calculus Concepts in Secondary Education I 3 sh (may not be repeated for credit)
Designed for math teachers. The overall objective is to increase knowledge and competence for math teachers in both content and pedagogy related to the teaching and learning of Calculus. The primary topics to be covered are: functions, operations on functions, limits, continuity, Intermediate Value Theorem, average and instantaneous rate of change, derivative, tangent or slope of curve, increasing/decreasing function, concavity, derivative rules, maximum/minimum of function, inflection point, family of curves, Extreme Value Theorem, Mean Value Theorem, integrals, definite integral, Fundamental Theorem of Calculus, antiderivatives. Admission to Teacher Education.

MAE 6647 Exploring Data Analysis 3 sh (may not be repeated for credit)
Teachers engage in a process of data analysis that includes posing questions, collecting and describing data, developing statistics or graphical displays, and forming conclusions. They develop a variety of statistical thinking skills and an appreciation for data analysis as a tool for answering important real-world questions.
MAE 8980  Ed. D. Dissertation in Mathematics Education
1-18 sh (may be repeated for up to 36.0 sh of credit)
Major independent research designed especially for candidates in the Ed. D. curriculum and instruction program with specialization in mathematics/statistics; mathematics education. This dissertation will reflect intensive research produced by the student and collaboratively developed with the student’s graduate committee. Graded on satisfactory/unsatisfactory basis only. Admission to candidacy and permission of Dissertation advisor is required.

MATHEMATICS: GENERAL AND FINITE Courses

MGF 1106  Mathematics for Liberal Arts I
3 sh (may not be repeated for credit)
 Presents topics that illustrate both the aesthetic aspects and the practical applications of mathematics. Intended for students who require only general education mathematics courses. Major course topics: systematic counting, probability, statistics, history of mathematics, geometry, sets, logic. (Gordon Rule Course: Theoretical Math) and (General Studies Course: MAT/MAT).

MGF 1107  Mathematics for Liberal Arts II
3 sh (may not be repeated for credit)
 Presents topics that supplement those in MGF 1106 needed by elementary teachers. Intended for students in elementary education. Major topics: number sets and properties, number theory, geometry, measurement, graphs—all taught within a problem solving approach. (Gordon Rule Course: Theoretical Math) and (General Studies Course: MAT/MAT).

MATHEMATICS: HISTORY AND FOUNDATIONS Courses

MHF 3202  Set Theory and Mathematical Logic
3 sh (may not be repeated for credit)
 Prerequisite: MAC 2312
 Co-requisite: MAC 2312
Basic set theory, propositional calculus, predicate calculus, methods of mathematical proof. (Gordon Rule Course: Theoretical Math).

MATHEMATICS: TOPOLOGY AND GEOMETRY Courses

MTG 3203  Elementary Geometry
3 sh (may not be repeated for credit)
 Prerequisite: MAC 1105
 A basic course that presents a variety of geometry topics using hands-on strategies. Students will employ paper-pencil, straightedge and compass, and the computer to solve problems related to polygons, lines, angles, circles, area, volume, similarity, and the Pythagorean theorem. Recommended for elementary/middle level Education majors. Math majors may not use this course to fulfill major requirements.

MTG 3212  Modern Geometry
3 sh (may not be repeated for credit)
 Prerequisite: MHF 3202
Axiomatic systems, non-Euclidean geometries, synthetic and algebraic projective geometry. Knowledge of high school geometry is required. (Gordon Rule Course: Theoretical Math).

MTG 6348  Point Set and Algebraic Topology
3 sh (may not be repeated for credit)
 Prerequisite: Abstract Algebra or by permission of instructor
An introduction to the fundamental concepts of point set and algebraic topology. Topics covered include separation axioms, compactness, connectivity, completeness, simplicial topology, and homotopy. Applications to modern analysis and to the solution to classical geometrical problems.

MEDICAL LABORATORY SCIENCE Courses

MLS 3031  Introduction to Clinical Laboratory Science
2 sh (may not be repeated for credit)
Survey course in clinical laboratory sciences. Introduction to the profession, scope of practice, state/federal laws and regulations, code of ethics, and career opportunities. Classroom instruction and field trips to various sections in a clinical laboratory: hematology, clinical chemistry, diagnostic microbiology, immunohematology, serology, and molecular diagnostics.

MLS 4191  Molecular Diagnostics
2 sh (may not be repeated for credit)
 Prerequisite: MLS 4625 and MLS 4630
 Co-requisite: MLS 4191L
This course offers fundamentals of clinical diagnosis and management of disease by molecular biology laboratory methods. Two broad areas in the current state of the art will be addressed: molecular diseases/variants and molecular methods to diagnose and monitor disease. Disorders due to inherited or acquired molecular defects such as errors of metabolism, hemoglobinopathies, leukemia, and cystic fibrosis are discussed. Principles and procedures for the diagnosis and management of infectious diseases by molecular methods are also included. The discussion of molecular approaches to diagnosing and monitoring these diseases will span the conventional methods of PCR, gel electrophoresis and Southern Blotting to semi-automated methods of TMA, LCR and Real-time PCR. A survey of molecular diagnostic methods currently available in various sections of a clinical laboratory is included. Material and Supply Fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.

MLS 4191L  Molecular Diagnostics Laboratory
0 sh (may not be repeated for credit)
 Prerequisite: MLS 4625 and MLS 4630
 Co-requisite: MLS 4191
Methods for specimen collection and handling, contamination control, amplification and detection of genetic material from humans and microorganisms. Methodologies include PCR, electrophoresis for DNA and proteins, densitometry, Southern Blot and Western Blot techniques. Material and Supply fee will be assessed. Permission is required.

MLS 4220  Urinalysis/Body Fluids I
2 sh (may not be repeated for credit)
 Co-requisite: MLS 4220L
Teaches the entry level clinical laboratory scientist the physiology, routine testing and interpretation for the following body fluids: urine, cerebrospinal fluid, semen, sweat, serous fluids (peritoneal, pleural, pericardial, synovial), and dialysates. Correlation of lab findings to various disease conditions is stressed. Material and Supply Fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.
MLS 4220L Urinalysis/Body Fluids I
0 sh (may not be repeated for credit)
Co-requisite: MLS 4220
Corresponding lab for Urinalysis/Body Fluids I.

MLS 4305 Hematology I
4 sh (may not be repeated for credit)
Prerequisite: PCB 2131
Co-requisite: MLS 4305L
Study of production, maturation and morphology of normal and abnormal human blood cells. Pathological changes in morphology, cytochemistry and distribution of cells in peripheral blood and bone marrow. Manual and automated methods for blood cell counts, hemoglobin measurement and other hematology parameters. Purpose, principle and clinical value of routine and special procedures. Quality control and quality assurance processes in a clinical hematology laboratory. Material and Supply Fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.

MLS 4305L Hematology I Lab
0 sh (may not be repeated for credit)
Co-requisite: MLS 4305
Corresponding lab for Hematology I.

MLS 4334 Hemostasis and Thrombosis
2 sh (may not be repeated for credit)
Co-requisite: MLS 4334L
Role of blood vessels, platelets and coagulation factors in normal hemostasis. Platelet morphology and function, laboratory tests for evaluation of platelets, and platelet disorders. Study of coagulation factors, coagulation pathways, and inherited and acquired coagulation disorders. Normal fibrinolysis and disorders of fibrinolysis. Physiologic and pathologic coagulation inhibitors and their role in normal and abnormal hemostasis. Diagnosis and management of hemorrhagic diseases. Thrombotic disorders and their management by anticoagulant therapy and fibrinolytic therapy. Material and Supply Fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.

MLS 4334L Hemostasis and Thrombosis Lab
0 sh (may not be repeated for credit)
Co-requisite: MLS 4334
Corresponding lab for Hemostasis and Thrombosis.

MLS 4460 Diagnostic Microbiology I
3 sh (may not be repeated for credit)
Prerequisite: MCB 3020, MCB 3020L
Co-requisite: MLS 4460L
Study of bacteria associated with infectious diseases. Includes microbial taxonomy, physiology, genetics and host-parasite relationships as they apply to clinical microbiology. Pathogens of particular organ systems, pathogenesis of infectious disease, clinical manifestations, etiology and epidemiology of disease are covered. Interpretation of test results and clinical relevance are taught utilizing case studies. Permission is required. Equipment Fee will be assessed.

MLS 4460L Diagnostic Microbiology I Laboratory
1 sh (may not be repeated for credit)
Prerequisite: MCB 3020, MCB 3020L
Co-requisite: MLS 4460
Methods for specimen collection, handling and processing of human tissues and body fluids for isolation and identification of bacteria. Conventional and rapid identification methods for clinically significant bacteria, principles of automation, susceptibility testing, infection control, and quality assurance procedures are included. Material and supply fee will be assessed. Permission is required.

MLS 4462 Medical Microbiology
4 sh (may not be repeated for credit)
Prerequisite: MCB 3020, MCB 3020L
Co-requisite: MLS 4462L
Study of medical microbiology covering areas of clinical parasitology, mycobacteriology, clinical virology, clinical mycology, and miscellaneous and emerging pathogens. Material and Supply fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.

MLS 4462L Medical Microbiology Lab
0 sh (may not be repeated for credit)
Co-requisite: MLS 4462
Corresponding lab for Medical Microbiology.

MLS 4505 Serology
2 sh (may not be repeated for credit)
Co-requisite: MLS 4505L
Diagnostic tests by clinical immunology and serology methods. Principles and practical applications of laboratory methods based on the detection of specific and non-specific immune responses to foreign or autologous antigens. Traditional serological methods for diagnosis of bacterial, viral, and fungal organisms. Latest immunological and molecular methods for detection and confirmation of HIV, hepatitis, HTLV, chlamydia, rubella and other significant pathogens. Lab methods for diagnosis of SLE and other autoimmune diseases. Basics of hypersensitivity reactions and transplantation immunology. Material and Supply Fee will be assessed to corresponding lab. Equipment Fee will be assessed. Permission is required.

MLS 4505L Serology Lab
0 sh (may not be repeated for credit)
Co-requisite: MLS 4505
Corresponding lab for Serology.

MLS 4550 Immunohematology I
4 sh (may not be repeated for credit)
Co-requisite: MLS 4550L
Fundamentals of blood group immunology. Pre-transfusion testing of patient blood and donor blood for compatibility. Antigens, antibodies and their properties in clinically significant blood group systems. ABO & RH typing, compatibility testing and special tests. Antibody screen and identification. Autoimmune Hemolytic Anemia and Hemolytic Disease of the Newborn. Transfusion therapy, hazards of transfusion and investigation of transfusion reactions. Donor selection, collection of donor blood and testing for infectious agents. Preparation, storage and utilization of blood components. Regulations, medico-legal and ethical aspects of transfusion services. Material and Supply Fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.
Material and Supply fee will be assessed. Permission is required.

Introduction to the basic principles and procedures of clinical chemistry. Lecture and lab devoted to chemical analysis of blood and other body fluids. Lab safety, specimen collection/handling/storage; lab mathematics, basic lab instrumentation and automation, data management, reference range determination and quality control monitoring will be stressed throughout the course. This class will discuss the pathophysiology and diagnostic testing related to the metabolism of carbohydrates and lipids, assessments of diabetes and diabetic risk, assessments of cardiac risk and monitoring and prognosis following myocardial infarction. Methodologies discussed include spectrophotometry, immunodiagnostics and computer generated analyses. Students will participate in class discussions about recent research in clinical chemistry which will be presented in the forms of abstracts, research papers and figures. Material and Supply fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.

Lab devoted to the chemical analysis and interpretation of blood and other bodily fluids. Selected experiments in diabetes and cardiovascular disease risk assessment and monitoring. Safety, instrumentation and quality control will be stressed. Methodologies discussed include spectrophotometry, immunodiagnostics, and computer generated analyses. Material and Supply fee will be assessed. Permission is required.

This course continues where Clinical Chem I left off, discussing kidney function, electrolytes, blood gases, acid-base balance, mineral metabolism, enzyme measurement, liver function studies, and pancreatic function assessment. It also includes the more esoteric tests involved in testing endocrine function, therapeutic drug monitoring, toxicology, tumor markers, and testing during pregnancy. Methodology is primarily immunoassay, potentiometry and spectrophotometry. Reading and disseminating research in the discipline is emphasized in the format of a journal club. Material and Supply fee will be assessed for corresponding lab. Equipment Fee will be assessed. Permission is required.

This course covers laboratory procedures evaluating kidney and liver function, electrolytes, acid-base balance, mineral metabolism, enzyme measurements, toxicology and testing during pregnancy. Methodology is primarily immunoassay, potentiometry and spectrophotometry. Material and Supply fee will be assessed. Permission is required.
MLS 4931 Advances in Biomedical Technology
1-2 sh (may be repeated for up to 2.0 sh of credit)

Developments in biomedical technology including stem cells, new and emerging pathogens, advances in cardiac and cancer diagnosis, screening for fetal defects, drug testing, transfusion medicine, osteoporosis and cystic fibrosis screening. Current topics in screening, diagnosis and management of disease by laboratory methods. One course in chemistry and one course in biological sciences required prior to taking this course.

MENTAL HEALTH SERVICES Courses

MHS 6800 Guidance and Counseling Practicum
3 sh (may not be repeated for credit)

Under the supervision of a practicing counselor and university supervisor, students will demonstrate their knowledge and abilities in the role of individual and group counseling, collaborator with other educators, and coordinator of guidance services. All coursework in the guidance and counseling certification program, and permission is required.

MICROBIOLOGY Courses

MCB 1000 Fundamentals of Microbiology
3 sh (may not be repeated for credit)
Co-requisite: CHM 1032 and CHM 1032L or CHM 2045 and CHM 2045L

An introductory microbiology course for non-science majors specifically designed to meet the microbiology pre-requisite requirement for the 4 year BSN degree. Will cover the principles of microbiology, including cellular organization, growth, and metabolism of major microbial groups (bacteria, fungi, viruses and protozoa); cultivation and control of microbes; and the interaction between microorganisms and humans as it relates to disease transmission, pathogenesis, control measures, and treatment. (General Studies Course: NS/LEC).

MCB 1000L Fundamentals of Microbiology Laboratory
1 sh (may not be repeated for credit)
Co-requisite: MCB 1000

An introductory microbiology laboratory course for non-science majors specifically designed to meet the microbiology pre-requisite requirement for the 4 year BSN degree. The lab will focus on basic microbiological techniques relating to isolating, growing, and identifying medically significant microorganisms. Laboratory exercises include microscopy and staining techniques; asepsis and culturing of microorganisms; appropriate handling techniques, including sterilization and disinfection; and methods of enumeration and identification of bacteria. Emphasis will be placed on those concepts and methods that are significant in the medical setting. Material and supply fee will be assessed. (General Studies Course: NS/LAB).

MCB 3020 Microbiology
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045, CHM 2046

Microbial morphology, physiology and taxonomy; relationships of microorganisms to total environment.

MCB 3020L Microbiology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: MCB 3020

Microbial morphology, physiology, and taxonomy; relationships of microorganisms to total environment. Material and Supply Fee will be assessed.

MCB 4276 Epidemiology of Infectious Disease
3 sh (may not be repeated for credit)

The basic principles of epidemiology as they apply to infectious disease and the impact of infectious disease on human civilization will be addressed. The causes and distribution of current epidemics of infectious disease, including newly emerging and reemerging diseases, and the approaches being applied to defeat these diseases will be discussed. Offered concurrently with MCB 5273; graduate students will be assigned additional work.

MCB 5273 Epidemiology of Infectious Disease
3 sh (may not be repeated for credit)

The basic principles of epidemiology as they apply to infectious disease and the impact of infectious disease on human civilization will be addressed. The causes and distribution of current epidemics of infectious disease, including newly emerging and reemerging diseases, and the approaches being applied to defeat these diseases will be discussed. Offered concurrently with MCB 4276; graduate students will be assigned additional work.

MILITARY SCIENCE AND LEADERSHIP Courses

MSL 1001 Foundations of Officership
1 sh (may not be repeated for credit)

Introduces freshmen-level students to issues and competencies that are central to a commissioned officer's responsibilities. These initial lessons establish a framework for understanding officership, leadership, and Army values. Additionally, "life skills" including fitness and time management are addressed. Designed to give the student accurate insight into the Army profession and the officer's role within the Army.

MSL 1002 Basic Leadership
1 sh (may not be repeated for credit)

Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills, and an introduction to counseling.

MSL 2101 Individual Leadership Studies
2 sh (may not be repeated for credit)

Designed to develop cadet's knowledge of self, self-confidence, and individual leadership skills. Cadets develop problem solving and critical thinking skills, and apply communication, feedback and conflict resolution skills through experiential learning activities.

MSL 2102 Leadership and Teamwork
2 sh (may not be repeated for credit)

Study examines how to build successful teams, various methods for influencing action, effective communication in setting and achieving goals, the importance of timing the decision, creativity in the problem solving process, and obtaining team buy-in through immediate feedback.
MUSIC Courses

MUS 2241  Diction for Singers I: Italian
1 sh (may not be repeated for credit)
Study of stage pronunciation and enunciation in Italian with comparisons made to the sound in English, and utilizing the International Phonetic Alphabet.

MUS 2360  Music Technology
2 sh (may not be repeated for credit)
Prerequisite: MUT 2116
Designed to equip music students with the technological skills necessary and ongoing for the application of music software in all venues. Major emphasis on working knowledge of mainstream software and its applications in music composition, education and performance. Freshman and sophomore theory requirements are needed. Material and supply fee will be assessed.

MUS 3253  Diction for Singers II: French/German
1 sh (may not be repeated for credit)
Prerequisite: MUS 2241
Study of stage pronunciation and enunciation in French and German with comparisons made to the sounds in English, and utilizing the International Phonetic Alphabet. Student must be enrolled in applied voice either on the major or minor level.

MUSIC: CONDUCTING Courses

MUG 2101  Conducting
2 sh (may not be repeated for credit)
Applied conducting of vocal and instrumental music; basic concepts and practices of conducting of simple and complex meters; study of baton technique and score analysis; practical applications to performance.

MUSIC: EDUCATION Courses

MUE 2040  Introduction to Music Teaching
2 sh (may not be repeated for credit)
A foundation course for potential music educators. An overview of the music education profession and its relationship to mainstream education issues; includes 10 hours of initial observations/participation in local school classrooms. Permission is required.

MUE 3311  Methods for the Elementary School Music Teacher
2 sh (may not be repeated for credit)
How to teach music in the elementary school. Includes "how to" instruction in teaching general music and how to begin and maintain an elementary choral program. For music majors only.

MUE 3312  Kodaly Method
3 sh (may not be repeated for credit)
Presents specific suggestions for teaching music to pre-K and elementary school students, based on the Kodaly Method as practiced in the United States, Canada and Hungary. Offering background material, general ideas, and specific techniques, will train students to utilize the Kodaly concepts effectively, even if they have not had previous experience with this speech.

MUE 3413  Chamber Music Coaching
1 sh (may be repeated for up to 4.0 sh of credit)
Chamber Music Coaching is a class to teach musicians how to prepare small ensembles for performance. The class includes participation in a chamber ensemble and instruction on coaching. It is required of all Music Ed majors and open to all other majors. Permission is required.

MUE 4330  Music in the Middle and Secondary Schools
2 sh (may not be repeated for credit)
Prerequisite: MUE 2040, MUE 3311
The organization and administration of general, choral, and instrumental music in middle and high schools. Permission is required.
MUSIC: ENSEMBLES Courses

MUE 4343  String Methods and Materials
2 sh (may not be repeated for credit)
Designed to teach Music Ed majors how to begin and implement a string program in the school system. It includes strategies for teaching strings in group settings.

MUE 4411  Special Methods/Choral Techniques
2 sh (may not be repeated for credit)
Problems related to choral conducting with practical application of applicable choral techniques at all levels, elementary through high school. Includes choral and full score study, repertoire for various levels and observations in the public schools of choral music classes.

MUE 4451  Woodwind Instrument Methods and Materials
2 sh (may not be repeated for credit)
Woodwind instruments, playing techniques, reed making techniques, instrument maintenance, history methodology, pedagogy, literature for solo and ensemble experiences. Observations of representative public school programs of students planning to practice teach in band programs. Completion of sophomore year program requirements is required.

MUE 4465  Brass Instrument Methods and Materials
2 sh (may not be repeated for credit)
Brass instrument playing techniques, pedagogy, literature and materials. Required of students in music teaching track.

MUE 4475  Percussion Methods and Materials
2 sh (may not be repeated for credit)
Percussion instruments, playing techniques, history, methodology, pedagogy and literature for solo and ensemble experiences. Observations of representative public school programs required of students planning to practice teach in band programs. Completion of sophomore year program requirements is required.

MUE 4493  Special Methods/Instrumental Techniques
2 sh (may not be repeated for credit)
Prerequisite: MUT 4311
Problems in organization and administration of school instrumental groups at all levels, elementary through high school including marching bands, jazz bands, and band parent organizations. Advanced conducting of instrumental music; study of baton techniques and score analysis; practical applications to performance. Observation of music programs in public schools with emphasis on large and small performing ensembles.

MUE 4940  Music Education Internship
9 sh (may not be repeated for credit)
Music Education Internship is a semester long course allowing the student the opportunity to intern in the local school system under the supervision of an experienced music teacher in their area of study. The student is advised not to take other classes or pursue employment during the semester of internship. Internship assignments will be made by the Music Education Coordinator and will be limited to the Pensacola area. Graded on a satisfactory/unsatisfactory basis only. Permission is required.

MUN 1310  The University of West Florida Singers
1 sh (may be repeated for up to 99.9 sh of credit)
Chorus of mixed voices preparing for performances throughout the year. Open to all students by audition. Rehearsals according to schedule. Interested students should contact conductor prior to beginning of term. Previous choral experience is required. For freshman/sophomore level only. Material and Supply Fee will be assessed.

MUN 1360  Madrigal Singers
1 sh (may be repeated for up to 99.9 sh of credit)
Select mixed choral ensemble performing a cappella Renaissance music. Open to all students by audition. Rehearsals according to schedule. Interested students should contact conductor prior to beginning of term. Previous choral experience is required. For freshman/sophomore level only. Material & Supply Fee will be assessed.

MUN 2210  Symphony Orchestra
1 sh (may be repeated for up to 99.9 sh of credit)
A college level orchestra which performs great literature of the past and present. Open to all majors with prior orchestral experience. Permission/Audition is required. Material and Supply Fee will be assessed.

MUN 3133  The University of West Florida Symphonic Band
1 sh (may be repeated for up to 99.9 sh of credit)
Group of wind and percussion instrumentalists. Open to all qualified students. Interested students should contact the music office. Previous instrumental experience required. Material and Supply Fee will be assessed.

MUN 3213  Advanced Symphony Orchestra
1 sh (may be repeated for up to 18.0 sh of credit)
Symphony Orchestra is a college level orchestra which performs great literature of the past and present. The orchestra is open to all majors with prior orchestral experience. Permission is required. Material and Supply Fee will be assessed.

MUN 3313  Advanced University Singers
1 sh (may be repeated for up to 99.9 sh of credit)
Chorus of mixed voices preparing for performances throughout the year. Open to all students by audition. Rehearsals according to schedule. Interested students should contact conductor prior to beginning of term. Previous choral experience required. For junior and senior standing only. Material and Supply Fee will be assessed.

MUN 3363  Advanced Madrigal Singers
1 sh (may be repeated for up to 99.9 sh of credit)
Select mixed choral ensemble performing a cappella Renaissance music. Open to all students by audition. Rehearsals according to schedule. Previous choral experience required. For junior and senior levels only. Material and Supply Fee will be assessed.

MUN 3443  Percussion Ensemble
2 sh (may be repeated for up to 8.0 sh of credit)
The percussion ensemble will rehearse and perform a variety of music: music from South America, the Caribbean, Africa and the Middle East that features percussion. Approval of instructor, possible audition to demonstrate and understanding of performance technique and sight reading skills.
MUN 3483   Guitar Ensemble
1 sh (may be repeated for up to 10.0 sh of credit)
The UWF Guitar Ensemble is a performing instrumental organization which meets on a regular basis for rehearsals and performs often for community groups, college functions, and local schools and clubs. Required of guitar performance majors. Open to all majors. Permission required. Material and Supply Fee will be assessed.

MUN 3713   Jazz Combo
1 sh (may be repeated for up to 99.0 sh of credit)
Performance oriented small group of various sizes. Literature and instrumentation are based upon student and departmental needs. Material and Supply Fee will be assessed.

MUN 4411   String Quartet
1 sh (may be repeated for up to 8.0 sh of credit)
An ensemble to explore the vast literature in the string quartet genre. May be expanded by an additional instrument for certain works. Material and Supply Fee will be assessed.

MUN 4714   The University of West Florida Jazz Band
1 sh (may be repeated for up to 99.9 sh of credit)
Standard jazz ensemble instrumentation. Opened to qualified students depending on needed instrumentation. Material and Supply Fee will be assessed.

**MUSIC: HISTORY/MUSICOLOGY Courses**

MUH 2930   The Music Experience: Special Topics
3 sh (may be repeated for up to 9.0 sh of credit)
With a non-traditional and multi-cultural approach, specific topics in music are offered each semester. Topics vary each semester but include such areas as Latin American Music, Jazz, Eastern European Music, Music of the Far East, etc. Consult the current course bulletin for semester topic. (General Studies Course: HUM/FA) Meets Multicultural requirement.

MUH 3211   History of Western Music I: End of Ancient World Through 17th Century
3 sh (may not be repeated for credit)
First of two courses designed to increase student’s understanding of history and literature of music. Music in Western Civilization from and of ancient world through 17th century. Three hours per week. Listening assignments in Music Listening Library. (Gordon Rule Course: Wrtg).

MUH 3212   History of Western Music II: 18th through 20th Centuries
3 sh (may not be repeated for credit)
Continuation of music history and literature sequence. Vocal and instrumental idioms of 18th-20th centuries emphasizing works of major composers. (Gordon Rule Course: Wrtg).

MUH 3662   Film Music
3 sh (may not be repeated for credit)
Surveys the importance of music in films, perhaps the most important entertainment and artistic medium of the 20th century. The material will progress from the silent film era to the present day. Students will learn the basics of filmmaking, the important basic musical elements (melody, rhythm, harmony, etc.) and how composers use them in film scoring.

MUH 3801   Jazz History
3 sh (may not be repeated for credit)
Will explore the rich heritage in Jazz from its roots in ragtime to the present day. Includes detailed studies of some of the great jazz musicians such as Duke Ellington, Count Basie, Ella Fitzgerald, Glen Miller, etc.

**MUSIC: LITERATURE Courses**

MUL 2110   Music in Western Civilization
3 sh (may not be repeated for credit)
Musical perspectives within Western civilization. Designed to express the correlation of music, art, and literature with Western culture. Special emphases include the nature of music, both past and present, and music as reflection/expression of society’s vital activities. (General Studies Course: HUM/FA).

MUL 3503   Symphonic and String Literature
2 sh (may not be repeated for credit)
Prerequisite: MUH 3211 (or currently enrolled) and MUT 3611 (or currently enrolled)
Overview of Orchestral and small string ensemble literature for all levels of students from beginning to college. Designed for the music teaching and performance major. Permission is required.

MUL 3551   Band and Wind Literature
2 sh (may not be repeated for credit)
Prerequisite: MUH 3211 (or currently enrolled) and MUT 3611 (or currently enrolled)
Overview of Symphonic Band and small chamber wind ensemble literature for all levels of students from beginning to college. Designed for the music teaching and performance major. Permission is required.

MUL 3602   Vocal Literature
2 sh (may not be repeated for credit)
Prerequisite: MUH 3211 (or currently enrolled) and MUT 3611 (or currently enrolled)
Overview of solo vocal literature for all levels of students from beginning to college. Designed for music teaching and performance majors. Explores the origins of solo song, its significant composers, forms and styles from the Renaissance to the present in the four major singing languages; French, German, Italian, and English. Permission is required.

MUL 3643   Choral Literature
2 sh (may not be repeated for credit)
Prerequisite: MUH 3211 (or currently enrolled) and MUT 3611 (or currently enrolled)
Overview of choral literature for all levels of students from beginning to college. Designed for music teaching and performance majors. Explores the origins of the major compositions, composers, forms and styles from the Renaissance to the present. Permission is required.
MUSIC: OPERA/MUSICAL THEATRE Courses

MUO 3503   Advanced Opera Studio
1 sh (may be repeated for up to 99.9 sh of credit)
Study of the techniques of characterization, dramatic analysis, and ensembles singing in English and foreign languages. Special emphasis is given to the study of scenes from the standard operatic repertoire which are presented before the public in a series of opera scenes recitals. Audition and permission required. Open to junior and senior levels only.

MUO 4504   Opera Workshop
3 sh (may not be repeated for credit)
An interdisciplinary, performance-oriented study of the techniques of characterization, dramatic analysis, and ensemble singing in English and foreign languages. Special emphasis is given to the study of scenes from the standard operatic repertoire which are presented before the public in a recital in order to integrate singing skills and characterization skills for opera and musical theatrical performance.

MUSIC: THEORY Courses

MUT 1111   Freshman Theory
3 sh (may not be repeated for credit)
Co-requisite: MUT 1271
Basic fundamentals of music theory, including meter and rhythm, tonic, dominant and sub dominant harmony, cadences, major and minor tonality, and inverted triads. Required of all students majoring in music; non-music majors must have departmental permission.

MUT 1112   Freshman Theory II
3 sh (may not be repeated for credit)
Prerequisite: MUT 1111/MUT 1271
Co-requisite: MUT 1272
Continuation of MUT 1111, including non-harmonic tones, secondary triads, principles of chord progressions, use of harmonic sequence, primary seventh chords and secondary dominants.

MUT 1271   Freshman Theory Lab
1 sh (may not be repeated for credit)
Co-requisite: MUT 1111
Ear-training, melodic and rhythmic dictation, sight-singing, and basic keyboard harmony. Computer lab time assigned as required.

MUT 1272   Freshman Theory II Lab
1 sh (may not be repeated for credit)
Co-requisite: MUT 1112
Ear-training, melodic and rhythmic dictation, sight-singing, and basic keyboard harmony. Computer lab time assigned as required.

MUT 2116   Sophomore Theory
3 sh (may not be repeated for credit)
Prerequisite: MUT 1112/MUT 1272
Co-requisite: MUT 2276
Extensive harmonic analysis involving primary and secondary chords and including chromaticism and modulation; altered chords and their functions.

MUT 2117   Sophomore Theory II
3 sh (may not be repeated for credit)
Prerequisite: MUT 2116/MUT 2276
Co-requisite: MUT 2277
Continuation MUT 2116, including augmented sixth chords, the neapolitan sixth, and other chromatically altered chords, in addition to harmonic practices in the 20th Century.

MUT 2276   Sophomore Theory I Lab
1 sh (may not be repeated for credit)
Prerequisite: MUT 1272
Co-requisite: MUT 2116
Ear-training, melodic and rhythmic dictation, sight-singing, and basic keyboard harmony. Computer lab time assigned as required.

MUT 2277   Sophomore Theory II Lab
1 sh (may not be repeated for credit)
Co-requisite: MUT 2117
Ear-training, melodic and rhythmic dictation, sight-singing, and basic keyboard harmony. Computer lab time assigned as required.

MUT 2361   Jazz Fundamentals I
2 sh (may not be repeated for credit)
Provides the musician basic theoretical knowledge and practice methods necessary for jazz improvisation and composition. Chord type and related scales, chord progressions, memorization, and listening are covered. Open to all majors.

MUT 2362   Jazz Fundamentals II
2 sh (may not be repeated for credit)
Prerequisite: MUT 2361
Continuation of Jazz Fundamentals I. Jazz Theory and the use of chords and voicings, chord-scale relationship and score analysis.

MUT 3401   Techniques of Counterpoint
2 sh (may not be repeated for credit)
Prerequisite: Piano Proficiency
Linear writing through species counterpoint and comparison with 16th and 18th century musical idioms. Two years of music theory required.

MUT 3611   Musical Structure and Style
2 sh (may not be repeated for credit)
Prerequisite: Piano Proficiency
Systematic analysis of 17th, 18th, 19th and 20th century music, with emphasis upon structural designs and stylistic trends. Two years of music theory required.

MUT 3671   Jazz Improvisation I
2 sh (may not be repeated for credit)
Provides the musician basic theoretical knowledge and practice methods necessary for jazz improvisation and composition. Chord types and related scales, chord progressions, summarization, and listening are covered.

MUT 3672   Jazz Performance II
2 sh (may not be repeated for credit)
Prerequisite: MUT 3671
Continuation of Jazz Performance I. Presentation of increasingly difficult harmonic structures.
MUT 4311 Instrumentation
2 sh (may not be repeated for credit)
Prerequisite: MUT 2117 and Piano Proficiency
Use of, and writing for, orchestral and band instruments; characteristics and capabilities of each. Instruments studied individually, small groups and as members of full ensemble. Two years of college theory required.

MUT 4643 Jazz Improvisation III
2 sh (may not be repeated for credit)
Prerequisite: MUT 3672
Continuation of Jazz Improvisation II. Advanced techniques and practices of jazz improvisation.

NURSING: GENERIC UNDERGRADUATE Courses

NUR 3067 Health Assessment and Promotion in Diverse Populations
4 sh (may not be repeated for credit)
For the RN-BSN student to enhance their knowledge and skills in the interviewing and physical assessment techniques necessary to systematically and accurately assess the health status of diverse and vulnerable clients. Cultural and sociological influences on health behavior and health assessment, maintenance, and preventative health interventions and education will be explored. Permission is required.

NUR 3081 Transition to Professional Nursing Practice
4 sh (may not be repeated for credit)
A transition experience into baccalaureate nursing. The philosophy and roles of the baccalaureate nurse in the context of contemporary and future nursing practice. Focuses on the impact of ethical, legal, political, and social issues that influence health care delivery, providing a forum for the exploration and evaluation of concerns germane to contemporary nursing. Permission is required.

NUR 3116 Concepts for Nursing Practice
3 sh (may not be repeated for credit)
The nursing process as the methodology for professional nursing practice provides the basis for exploring particular concepts and theories. It includes systems theory, change theory, health-illness continuum, high level wellness and various nursing models with emphasis on man’s uniqueness as an adaptive being. Prerequisite for all courses having a clinical component. Permission is required.

NUR 3145 Pharmacology
3 sh (may not be repeated for credit)
Provides basic pharmacokinetics and physiologic information, including actions, side effects, and interactions of drugs that are widely used. Focuses on the principles and concepts of pharmacology and related nursing practices. Permission is required.

NUR 3535 Psychiatric/Mental Health Nursing
3 sh (may not be repeated for credit)
Prerequisite: NUR 3735, NUR 3735L
Introduces students to theory and skills of psychiatric/mental health nursing and focuses on restoration, maintenance, and prevention with individuals experiencing acute and chronic mental health disorders. Permission is required.

NUR 3535L Psychiatric/Mental Health Nursing Clinical Lab
3 sh (may not be repeated for credit)
Prerequisite: NUR 3735, NUR 3735L
Co-requisite: NUR 3735, NUR 3736, NUR 3736L
Clinical component to NUR 3535 providing opportunity to apply nursing therapeutics for in-patient care in mental health and psychiatric settings. Graded on satisfactory/unsatisfactory basis only. Permission is required.

NUR 3678 Nursing Care of Vulnerable Populations
3 sh (may not be repeated for credit)
Course entails how to care for the vulnerable, the relevance of nursing theories to vulnerable populations, nursing research showing the kinds of phenomena nurses study, and learning to work with and advocate for vulnerable individuals. Meets Multicultural requirement.

NUR 3735 Foundations of Medical Surgical Nursing
8 sh (may not be repeated for credit)
Co-requisite: NUR 3116, NUR 3145, NUR 3735L
Presents adults as holistic beings by identifying health patterns and family relationships. Pathophysiology is integrated in discussion of specific diseases and disorders. The identification and application of principles and concepts related to selected psychomotor skills used in nursing practice is included. Students use concepts from nursing, humanities, and bio-psycho-social sciences to understand human responses to common actual and potential health problems and as a basis for nursing practice.

NUR 3735L Foundations of Medical Surgical Nursing Clinical Lab
4 sh (may not be repeated for credit)
Clinical laboratory provides opportunity for application on interpersonal and psychomotor skills to nursing care of adult and pediatric clients and their families in a structured health care setting. The nursing process is utilized to assess, plan, implement, and evaluate nursing care provided for human responses to actual or potential health problems and needs based on principles from the biologic, physiologic, and behavioral sciences, humanities, and nursing. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required. Material and Supply fee will be assessed.

NUR 3736 Medical Surgical Nursing II
5 sh (may not be repeated for credit)
Prerequisite: NUR 3735, NUR 3735L
Co-requisite: NUR 3535, NUR 3535L
Presents adults and children as holistic beings by identifying patterns and family relationships. Pathophysiology is integrated in discussion of specific diseases and disorders. Students use concepts from nursing, humanities, and bio-psycho-social sciences to understand human responses to common actual and potential complex health problems and as a basis from nursing practice. Permission is required.
NUR 3736L  Medical Surgical Nursing II Clinical Laboratory
5 sh (may not be repeated for credit)
Prerequisite: NUR 3735, NUR 3735L
Co-requisite: NUR 3736L, NUR 3535, NUR 3535L
Provides the opportunity for application of critical thinking processes in promotion of health, prevention of illness and provision of holistic nursing care for adults, children, and their families in a variety of structured health care settings. The nursing process is used to assess, diagnose, and treat human responses to actual or potential acute and chronic health problems based on principles from the biologic, physiologic, behavioral sciences, humanities, and nursing. Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.

NUR 4257 Medical-Surgical Nursing III
3 sh (may not be repeated for credit)
Prerequisite: NUR 4615, NUR 4615L, NUR 4455, NUR 4455L
Co-requisite: NUR 4257L, NUR 4827, NUR 4945L
Theory and skills in caring for individuals and families experiencing acute, unstable, or life threatening problems. Critical thinking skills and nursing interventions developed. Permission is required.

NUR 4257L Medical-Surgical Nursing III Clinical Laboratory
4 sh (may not be repeated for credit)
Prerequisite: NUR 4615, NUR 4615L, NUR 4455, NUR 4455L
Co-requisite: NUR 4257, NUR 4827, NUR 4945L
Clinical component of NUR 4257 provides opportunity to apply nursing therapeutics for the acutely ill client in critical care settings. Graded on satisfactory/unsatisfactory basis only. Permission is required. Material and supply fee will be assessed.

NUR 4286 Gerontological Nursing
3 sh (may not be repeated for credit)
An on-line nursing course designed to meet the health care challenge presented by the increasing population of the elderly. Provides students with an opportunity to expand their knowledge about the unique needs of older clients. Presents a holistic approach incorporating physical, spiritual, emotional, social and cultural aspects of aging. Permission is required.

NUR 4455 Maternal-Newborn Nursing
2 sh (may not be repeated for credit)
Prerequisite: NUR 3736, NUR 3736L, NUR 3535, NUR 3535L
Co-requisite: NUR 4455L, NUR 4615, NUR 4615L, NUR 4165
Nursing care practices and patient needs of the childbearing family from preconception through 28th day of life. Continues application of general systems theory. Emphasis on the family and promotion of physical, social and emotional well being. Permission is required.

NUR 4455L Maternal-Newborn Nursing Clinical Laboratory
2 sh (may not be repeated for credit)
Prerequisite: NUR 3736, NUR 3736L, NUR 3535, NUR 3535L
Co-requisite: NUR 4455, NUR 4615, NUR 4165
Clinical component of NUR 4455, provides opportunity to apply nursing therapeutics for family care in childbearing and newborn settings. Promotes identification and utilization of nursing interventions to prevent illness and promote health by using critical thinking and problem solving. Graded on a Satisfactory/Unsatisfactory basis only. Permission is required.

NUR 4615 Family and Community Health Nursing
3 sh (may not be repeated for credit)
Prerequisite: RN to BSN: NUR 3067, Generic: NUR 3736 and NUR 3736L
Co-requisite: RN to BSN: NUR 4615L
Prevention of disease, environmental sanitation, and crises intervention to help the client, family, and community achieve their maximum health potential. Meets Multicultural requirement.

NUR 4615L Family and Community Health Nursing Laboratory
3 sh (may not be repeated for credit)
Co-requisite: NUR 4615
Application of the concepts of health maintenance and promotion is afforded the student in primary, secondary and tertiary care setting.
NUR 4827  Nursing Management and Leadership
3 sh (may not be repeated for credit)
Prerequisite: NUR 4615, NUR 4615L, NUR 4165, NUR 4455, NUR 4455L
Co-requisite: (NUR 4836L and NUR 3837) or (NUR 4257, NUR 4257L, NUR 4945L, and NUR 3837)
Group process provides the forum to study leadership, collaboration and coordination in health-care settings. This serves as the Capstone course for the Nursing Program. Permission is required.

NUR 4828  Nursing Systems Management
4 sh (may not be repeated for credit)
Prerequisite: NUR 3067, NUR 3081, NUR 4165
Development of management skills for the professional nurse role by applying the principles of leadership theories and styles, management, and regulatory agencies that define boundaries of nursing practice in health care organizations. Collaboration, conflict management, and effective communication skills through the use of group process, and teaching/learning strategies that emphasize the leadership management roles of the nurse. The role of the professional nurse in efficient patient care management in complex health care settings. Permission is required.

NUR 4895  Client Education
4 sh (may not be repeated for credit)
This course focuses on teaching/learning theories and processes. Demonstrating appropriate strategies, the student will collaborate to assess and identify needs, develop measurable objectives, determine methodology, and evaluation for individual and small group client teaching. Permission is required.

NUR 4945L  Nursing Leadership and Management Preceptorship
3 sh (may not be repeated for credit)
Prerequisite: NUR 4615, NUR 4455, NUR 4455L
Clinical component to NUR4827 which supports the transition to professional nursing. Course provides the opportunity to apply nursing leadership and management strategies to healthcare settings. Provides the opportunity to synthesize nursing knowledge and experience professional role implementation.

NURSING: GRADUATE Courses

NGR 5131  Cultural Factors in Health and Illness
3 sh (may not be repeated for credit)
Influence of culture on health and health care beliefs and practices. Institutional health care policies which conflict with ethnic or cultural beliefs will be discussed. Selected content and learning experiences will guide students who interact with clients in a variety of settings. Satisfaction of all General Studies requirements; completion of majority of upper-division degree requirements; or equivalent. Offered concurrently with NSP 4185; graduate students will be assigned additional work.

NGR 5167  Holistic Healthcare
3 sh (may not be repeated for credit)
This on-line course explores the role of selected complementary and alternative health practices and promotions in the healthcare arena. Emphasis will be placed on ways to promote healing and optimum health in the individual. Offered concurrently with NUR 4177; graduate students will be assigned additional work.

NGR 5250  Advanced Gerontological Nursing
3 sh (may not be repeated for credit)
An on-line graduate nursing course designed to meet the health care challenge presented by the increasing population of older individuals. Provides students with an opportunity to expand their knowledge about the unique needs of older clients. Examines older clients from a holistic approach incorporating physical, spiritual, social and cultural aspects of aging. Permission is required.

NGR 6002  Advanced Health Assessment
3 sh (may not be repeated for credit)
This course will build upon health assessment skills developed in the professional nurse's basic education program. The theoretical and clinical basis for assessment in advanced nursing practice will be developed. The process whereby the advanced nurse utilizes comprehensive physical, psychological, and cultural assessment across the life span to gather specific data relevant to common health problems is demonstrated.

NGR 6140  Advanced Pathophysiology
3 sh (may not be repeated for credit)
This course is designed to present an orientation to disease as disordered physiology. It is intended to enable those in advanced nursing practice to understand how and why the symptoms and signs of various conditions appear. In approaching disease as disordered physiology, this course analyzes the mechanism(s) of production of the symptoms and signs of different disease states. In doing so, it recognizes that those in advanced nursing practice need to understand the mechanism(s) underlying the disease and its clinical manifestations so that rational therapies can be devised. Thus, appropriate screening and diagnostic laboratory evaluation methods will also be included.

NGR 6172  Advanced Pharmacology
3 sh (may not be repeated for credit)
This course is designed to expand the advanced practice student's knowledge of pharmacotherapeutics. Broad categories of pharmacological agents are examined. Skills to assess, diagnose, and manage a client's common health problems is demonstrated.

NGR 6636  Health Promotion and Primary Prevention in Nursing
3 sh (may not be repeated for credit)
The theoretical foundation for the promotion of health and prevention of disease in the individual, family, local/global community, and the environment. Permission is required.

NGR 6700  Nursing Theory
3 sh (may not be repeated for credit)
This course explores the theoretical foundations of nursing and nursing practice. It examines the nursing influence on legislation and policy development. Students will critically analyze nursing theories and healthcare policies from a historical, multidisciplinary, and global perspective. Permission is required.

NGR 6701  Nursing Educational Leadership
3 sh (may not be repeated for credit)
Builds on the undergraduate leadership content and is designed to give leadership knowledge and skills to nurse educators in colleges and universities and in staff development. Emphasizes the need for nurse educators to be an integral part of the educational leadership team. Permission is required.
NGR 6710  Nursing Education Seminar I
6 sh (may not be repeated for credit)
Prerequisite: NGR 6002, NGR 6140, NGR 6172, NGR 6700, NGR 6740, NGR 6800, NGR 6880
This initial specialization seminar course builds on core course content in the development of the nurse as an educator in both the classroom and clinical settings. It explores complex theories and concepts in nursing education and begins the preparation of the student for the nurse educator role. It will look at the history of nursing education, curriculum design, learning theories, teaching strategies, resources, and accreditation of nursing programs. In addition to the didactic component, students will have the opportunity to apply content from this and prior coursework in a precepted situation. Students will also have didactic and 90 practicum hours in the subsequent course, NGR 6715. Permission is required.

NGR 6713  Nursing Curriculum, Course Design and Management
3 sh (may not be repeated for credit)
Provides a theoretical basis for understanding the principles of curriculum design and evaluation as applied to programs of higher education and clinical education in nursing. Trends and issues in nursing, health care, and society are explored as they affect the process of curriculum development. Opportunities to practice the elements of curriculum building including the role of philosophy/mission statements, framework development (both conceptual and theoretical), program objectives/outcomes, content mapping, course sequencing, clinical practice, and evaluation will be provided. Emphasizes course, program, and departmental units in curriculum and teaching/learning theory for diverse populations. Permission is required.

NGR 6715  Nursing Education Seminar II
6 sh (may not be repeated for credit)
Prerequisite: NGR 6710, NGR 6002, NGR 6140, NGR 6172, NGR 6700, NGR 6740, NGR 6800
This seminar course builds on content from the previous seminar in nursing education (NGR 6710), focusing on the nurse as an educator in both the classroom and clinical settings. The student will apply and evaluate concepts in nursing education to prepare for the participant educator role in a selected setting. Students will continue to apply content from prior coursework in a precepted situation. Each student will obtain a preceptor who meets specified criteria for the role to serve as their clinical preceptor. Students will complete both the didactic component and 90 practicum hours. This course continues to build the student’s knowledge and skills in advanced study in inquiry, leading to preparation for a capstone project in the last semester. Permission is required.

NGR 6722  Nursing Management of Human and Financial Resources
3 sh (may not be repeated for credit)
Focuses on human resource management and financial/budgetary resource management. Explores human resource policies, employee selection, performance appraisal, workload management, compensation, budgeting process and development, competency, and employee training and development. Addresses government regulations, Medicare, Medicaid, DRGs, capitation, purchasing, mergers, acquisitions, and productivity. Permission is required.

NGR 6723  Nursing Leadership Development
3 sh (may not be repeated for credit)
Builds on the undergraduate leadership content in the development of the advanced nursing leadership role. Explores complex theories and concepts in nursing administration. Focus is on nursing administrators/leaders making strategic changes within healthcare. Permission is required.

NGR 6724  Health Care Planning and Management in Nursing
3 sh (may not be repeated for credit)
Focuses on management, strategic planning, forecasting, managing projects, tools for capital budgeting and asset management, managerial decision-making skills, case management approaches and targeted markets. Additionally, the impact of external factors on complex healthcare systems will be explored. Permission is required.

NGR 6728  Nursing Leadership & Management Seminar I
6 sh (may not be repeated for credit)
Prerequisite: NGR 6700, NGR 6740, NGR 6880, NGR 6002, NGR 6140, NGR 6172, NGR 6800
This initial specialization seminar course builds on undergraduate content regarding the development of the advanced leadership role. It explores complex theories and concepts in nursing leadership and management, beginning the preparation of the student for the nursing management role. The course will investigate leadership models, theories, and styles; roles and functions of management; and complex organizational systems to include structure, mission, philosophy, goals, objectives, basic financial management, human resources, accrediting agencies, and the political environment. Also, this course provides the student with advanced study in inquiry leading to preparation for a capstone project completed in their last semester.

NGR 6729  Nursing Leadership & Management Seminar II
6 sh (may not be repeated for credit)
Prerequisite: NGR 6728, NGR 6002, NGR 6140, NGR 6172, NGR 6700, NGR 6800, NGR 6740, NGR 6880
This is the second Nursing Leadership and Management Seminar with the focus on nursing administrators/leaders making organizational strategic changes within healthcare. This course will explore (1) nursing as a business, (2) organizational culture and diversity, (3) complexity leadership and management principles, (4) strategic planning, (5) quality and safety in healthcare, (6) developing/managing projects, (7) tools for capital budgeting and asset management, (8) managerial decision-making skills, (9) case management approaches, (10) targeted markets, and (11) outcomes management. Additionally, the impact of external factors on complex healthcare systems and nursing will be explored.

NGR 6740  Contemporary Issues in the Role of Advanced Nursing Practice
3 sh (may not be repeated for credit)
Focuses on the role of the Advanced Nursing Practice nurse. Integrates nursing and other discipline theories and issues relevant to clinical practice, administration, education, and research issues. Includes theoretical analysis, application, and synthesis in the development of an individual model of advanced nursing practice for the student. Permission is required.
NGR 6756   Advanced Clinical Nursing
3 sh (may not be repeated for credit)
Health care delivery with a focus on nursing case management and managed care. The advanced clinical nurse is viewed as a partner with a variety of disciplines in the provision of quality nursing care in a variety of settings. Permission is required.

NGR 6800   Nursing Research, Statistics, and Evidence Based Practice
3 sh (may not be repeated for credit)
This initial research, statistics and evidence-based practice (EBP) course builds on undergraduate research & statistics content. It explores complex theories and concepts in nursing research, statistics and evidence-based practice beginning the preparation of the student for the nursing scholar role. It includes critical appraisal of research evidence including the interpretation of statistical analyses commonly used in evidence summaries. It includes the evidence-based practice process to prepare the graduate nurse to translate research evidence summaries into evidence-based practice project proposals. It will also prepare the nurse as the role of change agent as they identify practice areas where evidence-based integration is needed and facilitate the movement of evidence-based quality initiatives.

NGR 6833   Nursing Leadership & Management EBP Project I
3 sh (may not be repeated for credit)
Prerequisite: NGR 6800, NGR 6002, NGR 6140, NGR 6172, NGR 6700, NGR 6740, NGR 6880 NGR 6728, NGR 6729
This course follows all MSN core content and Nursing Leadership and Management Seminars. In this course the student will use knowledge from prior courses to develop an evidence-based project proposal suitable for presentation and/or publication. This project will be implemented during the NGR 6833L course. Permission is required.

NGR 6833L   Nursing Leadership & Management EBP Project II
3 sh (may not be repeated for credit)
Prerequisite: NGR 6002, NGR 6140, NGR 6172, NGR 6700, NGR 6740, NGR 6880, NGR 6728, NGR 6729
This course follows all MSN core content, Nursing Leadership and Management Seminars, and completion of an approved project proposal. In this course the student will use knowledge from prior courses to conduct the evidence-based project from NGR 6833 project proposal. Permission is required.

NGR 6834   Nursing Education Evidence Based Project I
3 sh (may not be repeated for credit)
Prerequisite: NGR 6002, NGR 6140, NGR 6172, NGR 6700, NGR 6740, NGR 6880, NGR 6710, NGR 6715
This course follows all MSN core content and Nursing Education Seminars. In this course the student will use knowledge from prior courses to develop an evidence-based project proposal suitable for presentation and/or publication. This project will be implemented during the NGR 6834L course. Permission is required.

NGR 6834L   Nursing Education Evidence Based Practice Project II
3 sh (may not be repeated for credit)
This course follows all MSN core content, Nursing Education Seminars, and the project proposal development course. In this course the student will use knowledge from prior courses to develop an evidence-based project proposal suitable for presentation and/or publication. This project will be implemented during the NGR 6834L course. Permission is required.

NGR 6880   Ethical Issues in Advanced Nursing Practice
3 sh (may not be repeated for credit)
This course will explore the philosophical and theoretical foundations of health care ethics. Additionally, this course will present multiple perspectives used in medical/nursing ethics decision-making. The history of and current issues in medical ethics will be explored along with relevant case studies.

NURSING: SPECIAL Courses

NSP 4185   Cultural Factors in Health and Illness
3 sh (may not be repeated for credit)
Influence of culture on health and health care beliefs and practices. Institutional health care policies which conflict with ethnic or cultural health beliefs will be discussed. Selected content and learning experiences will guide students who interact with clients in a variety of settings. Completion of Social Science component of General Studies is required prior to taking this course. Offered concurrently with NGR 5131: graduate students will be assigned additional work. Meets Multicultural requirement.

NSP 4275   Introduction to Critical Care Nursing
3 sh (may not be repeated for credit)
Examines the needs of the critically ill client. The integrity of the individual and family may be disrupted by a critical illness. The critical care nurse assists the individual and family to restore life processes to a state of dynamic equilibrium. Emphasizes use of scientific rationale and application of the nursing process in providing care to the individual client and family. Critical care concepts and skills for promoting client and family well-being are stressed. Permission is required.

NSP 4426   The Healthy Woman
3 sh (may not be repeated for credit)
Normal physiological and psychological changes that occur in women at differing phases of the life cycle. Topics include causes, prevention, and treatment of women's most common health concerns, women's health policy and research and cultural diverseness.

NSP 4435   Men's Health
3 sh (may not be repeated for credit)
Through an interdisciplinary approach, addresses men's health and perceptions of masculinity, differences in men's health care, differences and disparities related to race, ethnicity, and social class. Topics include wellness, cardiovascular disease (including HIV), aging, violence, depression, infertility, erectile dysfunction, and impotence. Includes historical cases and epidemiological differences among groups. Completion of all General Studies requirements and Junior status is required. Offered concurrently with NSP 4435; graduate students will be assigned additional work.

NSP 4545   Drugs and the Human Body
3 sh (may not be repeated for credit)
Designed to introduce students to the dynamics of drug addiction from a physiological perspective. Legal and historical data related to current categories of drugs will be explored. Basic pharmacology and physiology; acute and chronic pathologic effects, and the physiological symptoms of withdrawal for commonly abused drugs will be a major focus.
Films chosen illustrate the complexities of legal and justice issues, the involvement of various stakeholders in the system and the merit or lack of merit of character’s decision-making. Highlights the practice of law, stakeholders, judicial processes, as well as interactions with society and politics.
PLA 3948  Service Learning Field Study II
1-3 sh (may be repeated for up to 4.0 sh of credit)
A cooperative effort between the UWF Legal Studies Program, the
UWF Center for Learning Through Volunteer Efforts (CLOVE), and
a public or private law-related office. Allows students the opportunity
to focus on various learning objectives in a potential career field.
Students work under the overall supervision of a licensed attorney or
other legal professional at the placement site. Permission is required.

PLA 4025  Sex Discrimination Law
3 sh (may not be repeated for credit)
Examines the traditional role of women and men, historically and in the
constitutional context, and the current legal status of men and women
in specific areas such as employment, family law, sports, education
and criminal law.

PLA 4155  Legal Advocacy
3 sh (may not be repeated for credit)
Prerequisite: PLA 3103
Emphasis is on improving legal writing ability through the use
of practical writing assignments, including case briefs, legal
correspondence, legal memoranda, and trial briefs. (Gordon Rule
course: Wrtg).

PLA 4204  Civil Procedure
3 sh (may not be repeated for credit)
Civil litigation in the Florida and Federal courts. Covers substantive
civil law, Florida and Federal rules of civil procedure and related
matters from initial interview through pre-trial preparation including
drafting of pleadings and preparing discovery.

PLA 4225  Trial Practice
3 sh (may not be repeated for credit)
Prerequisite: PLA 4204
A case through the trial process from opening statements through
verdict.

PLA 4263  Evidence
3 sh (may not be repeated for credit)
Rules of evidence, including relevancy, hearsay, competency of
witnesses and burdens of proof. The Federal Rules of Evidence are
emphasized.

PLA 4277  Tort Law
3 sh (may not be repeated for credit)
In-depth study of the fundamental principles of negligence, intentional
torts, strict liability, product liability, and vicarious liability.

PLA 4306  Criminal Law
3 sh (may not be repeated for credit)
Examination of the major substantive crimes, including homicide,
burglary, arson, offenses against the person, and offenses against
property. The concepts of criminal responsibility, parties to crime,
causation, and special legal defenses are also studied.

PLA 4309  Criminal Procedure
3 sh (may not be repeated for credit)
The study of criminal procedure is a fascinating one which involves an
examination of the power of the government to enforce the criminal law
versus the right of individuals to be free from government intrusions,
as guaranteed by the Constitution. Will help students develop critical
analysis skills by examining the constitutional framework for the
enforcement of criminal law. After examining the constitutional
provisions that effect and affect criminal procedure, we will then
examine these principles in action by focusing on police practices
including searches, seizures, interrogations, identification procedures,
and arrests. Finally we will study the criminal court process from the
charging decision through the appeals process. PLA 4309 and PLA
4308.

PLA 4607  Wills, Estates, and Trusts
3 sh (may not be repeated for credit)
Covers the need for estate planning, drafting and execution of basic
wills, the laws of intestate succession, the purposes of trusts, formal
and informal probate administration and the tax consequences of wills
and trusts.

PLA 4885  Constitutional Law for the Paralegal
3 sh (may not be repeated for credit)
Seeks an integration of the study of the Constitution with the
pragmatics of the practice of law for the paralegal. Introduces the basic
concepts of the Constitution in the light of how Constitutional issues
arise in the modern practice of law and how to prepare to meet these
arguments. Covers Supreme Court jurisdiction, how to read Supreme
Court cases, separation of powers, Federalism, Commerce Clause,
Due Process cases, First Amendment, Privacy, and Equal Production.
Will be focusing on issues confronted in modern courts and law office.

PLA 4933  Special Topics in Legal Studies
3 sh (may be repeated for up to 12.0 sh of credit)
The study of special issues in legal studies. Subject matter will vary
depending upon the issue(s) selected for study (e.g., philosophy of
law).

PLA 4941  Legal Studies Internship
1-3 sh (may be repeated for up to 6.0 sh of credit)
Individual field experience in law related offices including private
attorneys, public agencies, and alternative dispute resolution firms.
Graded on a satisfactory/unsatisfactory basis only. Permission is
required.

PERSONALITY Courses

PPE 4003  Theories of Personality
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012
Assumptions, structure, dynamics and determinants of personality.
Consideration of various personality theories, pertinent research and
its application to everyday life.

PHILOSOPHERS AND SCHOOLS Courses

PHP 3786  Existentialism
3 sh (may not be repeated for credit)
Basic concepts and ways of experiencing the world through various
existential writers. May include Hegel, Kierkegaard, Nietzsche,
Jaspers, Sartre, Heidegger and Merleau-Ponty.
What are the moral/social implications of evolutionary theory? Questions as “what is a gene”, “what does natural selection select” and

Philosophy of biology focuses on evolutionary theory, examining such

3 sh (may not be repeated for credit)

PHI 3452 Philosophy of Biology
3 sh (may not be repeated for credit)

Philosophy of biology focuses on evolutionary theory, examining such questions as “what is a gene”, “what does natural selection select” and “what are the moral/social implications of evolutionary theory”?.
PHILOSOPHY OF MAN AND SOCIETY Courses

PHM 3032   Environmental Humanities
3 sh (may not be repeated for credit)
Explores environmental concepts and concerns in the humanities. Topics will include historical expressions of the human-nature relationship in art, philosophy, religion, and science. Contemporary movements such as environmentalism, ecofeminism, ecotheology, and deep ecology will also be examined.

PHM 3200   Social and Political Philosophy
3 sh (may not be repeated for credit)
Social and political theories and ideals that have influenced development of Western man; significance of these for contemporary society.

PHM 4020   Philosophy of Sex and Love
3 sh (may not be repeated for credit)
Intended to familiarize you with the major philosophical and moral issues surrounding our sexuality and its attendant emotions. Will draw upon thinkers from within the history of Western Philosophy and psychology - including Plato, Augustine, Kant, Freud, DeBeauvoir and Nagel. Offered concurrently with PHM 5026; graduate student will be assigned additional work.

PHM 5026   Philosophy of Sex and Love
3 sh (may not be repeated for credit)
Intended to familiarize you with the major philosophical and moral issues surrounding our sexuality and its attendant emotions. Will draw upon thinkers from within the history of Western Philosophy and psychology - including Plato, Augustine, Kant, Freud, DeBeauvoir and Nagel. Offered concurrently with PHM 4020; graduate student will be assigned additional work.

PHILOSOPHY: HISTORY Courses

PHH 3100   Greek Philosophy
3 sh (may not be repeated for credit)
Development of ancient Greek philosophy; pre-Socratic, Plato, Aristotle and Hellenistic philosophy.

PHH 3400   Modern Philosophy
3 sh (may not be repeated for credit)
Development of modern philosophy from Renaissance through 18th century; Descartes, Locke, Berkeley, Hume, Spinoza, Leibniz and Kant.

PHH 4200   Medieval Philosophy
3 sh (may not be repeated for credit)
History of medieval philosophy from Augustine to Ockham, including such issues as the existence of God, the problem of evil, free will and the nature of human knowledge.

PHH 4600   Contemporary Philosophy
3 sh (may not be repeated for credit)
20th century developments in philosophical thought. May include logical positivism, linguistic analysis and phenomenological analysis.

PHOTOGRAPHY Courses

PGY 2401C   Photography as Art Form: Basic Camera
3 sh (may not be repeated for credit)
Basic theory and practice of black and white photography as an art form. Emphasis on understanding the technical aspects of the camera and exploring its potential as an artistic tool. The development of basic techniques and aesthetic concerns in relation to the photographic image. Includes basic darkroom experience. Invites all students. Material and supply fee will be assessed.

PGY 3420C   Photo Art II
3 sh (may not be repeated for credit)
Prerequisite: PGY 2401C
Development of advanced techniques and concerns in relation to the black and white photographic image. Emphasis on exploration as a means of creative artistic expression. Material and supply fee will be assessed.

PGY 3500C   Photographic Imaging as an Art Form
3 sh (may not be repeated for credit)
Prerequisite: ART 2201C
Theory and practice of black and white photography as an art form. Emphasis on understanding the technical aspects of the camera and exploring its potential as an artistic tool. The development of techniques, aesthetic concerns, and teaching methodology in relation to the photographic image. Includes darkroom lab experience. For art education students. Material and supply fee will be assessed.

PGY 4104C   Creative Darkroom
3 sh (may not be repeated for credit)
Prerequisite: PGY 2401C
In-depth exploration of the use of darkroom techniques, procedures, and manipulations as an artistic means to the development of advanced techniques and aesthetic concerns in relation to the altered photographic image. Material and supply fee will be assessed.

PGY 4823   Advanced Digital Photography
3 sh (may not be repeated for credit)
Prerequisite: ART 2600C, ART 3660C
An advanced class in image manipulation with emphasis on Adobe Photoshop, use of the film recorder, darkroom techniques, and photo history and theory. Designed for artists who are interested in learning how to manipulate photographic and computer created images into finished photographs. Manipulating images and controlling equipment and images, working between the darkroom and the computer, and integrating traditional photographic processes with experimental processes are included. Material and Supply fee will be assessed.

PGY 4940C   Photography: Personal Directions
3 sh (may be repeated for up to 9.0 sh of credit)
Prerequisite: PGY 2401C
Fosters the development of personal expression within the framework of black-and-white photography as an art form. Covers advanced camera and darkroom techniques, as appropriate to the individual's direction. Material and Supply fee will be assessed.
PHYSICAL EDUCATION ACTIVITIES:
OBJECT CENTERED, LAND Courses

PEL 1341  Beginning Tennis
3 sh (may not be repeated for credit)
Designed to introduce students to basic tennis strokes; rules; etiquette;
terminology; basic tactics; strategy; and equipment.

PHYSICAL EDUCATION ACTIVITIES:
OBJECT CENTERED, LAND Courses

PEO 2031  Analysis of Individual Sports
3 sh (may not be repeated for credit)
Practicum in analytical techniques of skills involved in individual sports.
Emphasis is on analysis, instructional design, and application of skills
in a teaching situation.

PEO 3008  Sports Officiating II
3 sh (may not be repeated for credit)
Prerequisite: PEO 3001
Provides students an advanced look into sports and experiences
related to the world and profession of sports officiating. Advanced
principles, practices, responsibilities, techniques, and methods
employed in sports officiating will be presented. Opportunities for
employment in sports officiating will be discussed. Students will
be required to observe officiating techniques and will be assigned
officiating responsibilities in local sports programs.

PHYSICAL EDUCATION ACTIVITIES:
PERFORMANCE CENTERED, LAND Courses

PEM 1116  Body Shaping I
3 sh (may not be repeated for credit)
Designed to introduce body shaping exercises to students to help
improve overall physical fitness, improve cardiorespiratory endurance,
and help reduce body fat. This entry level class will cover yoga,
Pilates, cardio karate, water aerobics, step aerobics, and basic
training. Students will exercise using various types of equipment.

PEM 1120  Cardio Weightlifting and Endurance
3 sh (may not be repeated for credit)
Emphasizes the development of cardiovascular and muscular
endurance through the use of free weights, weight machines, and
cardio exercises. The exercises are based on the principle of circuit
training through different exercise stations.

PEM 1121  Yoga I
3 sh (may not be repeated for credit)
Designed to train the student in basic Hatha yoga techniques. An
ancient method of exercise as well as a method of spiritual meditation.
the physical yoga training will occur during the class periods and there
will be a learning module on-line for the student to complete. Each
class will be a significant physical challenge. Students of all athletic
abilities are encouraged to take the course.

PEM 1122  Yoga II
3 sh (may not be repeated for credit)
Prerequisite: PEO 3001
Designed to further the education and practice of Hatha Yoga.
Advanced postures will be explored and the healing significance to
each will be explained. Class meetings will be more strenuous than the
Yoga I meetings. Strength moves and postures will be emphasized.
Participants can enter Yoga II after completion of Yoga I or with the
permission of the instructor. Students will be encouraged to develop
their own potential abilities and style.

PEM 1141  Aerobic Conditioning
1 sh (may not be repeated for credit)
Designed to introduce aerobics to students to help improve overall
physical fitness, improve cardio respiratory endurance, and help
reduce body fat. Topics will include a wide variety of beginning level
high-impact and low-impact aerobic activities designed to tax both the
beginner and advanced student.

PEM 1162  Latin Cardio Groove
3 sh (may not be repeated for credit)
A Latin dance class that focuses on building fitness through the
blending of Latin dance styles from the Merengue to Salsa with fitness
techniques. The class is designed for non-dancers, dancers, and
athletes.

PEM 1165  Hula Fit I
3 sh (may not be repeated for credit)
A beginning level hula dance class that focuses on building fitness
through the use of Hawaiian and Tahitian Hula dance training and
fitness techniques. Designed for non-dancers, dancers, and
athletes.

PEM 1445 BEGINNING T'AI CHI
3 sh (may not be repeated for credit)
Introduces the 24-Step Ying Yang Style T'ai Chi form. Focuses on the
internal & external elements of the form, the most recent research on
the health benefits of T'ai Chi, and the history of this exercise.

PEM 2114  Cycle Fit
3 sh (may not be repeated for credit)
Students will participate in indoor cycling group workouts. Students will
learn the proper use of cycle bikes for a safe and effective workout.
Students will learn basic instruction techniques that will lay the
foundation for learning to become a Cycle Fit instructor.

PEM 2126  Yoga Fitness
3 sh (may not be repeated for credit)
Students will learn information on the background of yoga, the many
different types of yoga and the health benefits of participating in yoga
fitness. The class includes a physical component in which students
will participate in yoga fitness classes, designed to slowly progress
through various sequences and poses of increasing difficulty as the
semester advances. In addition, students will learn basic instruction
techniques that will lay the foundation for learning to become a yoga
fitness instructor.
PEM 2127  Pilates
3 sh (may not be repeated for credit)

Students will participate in Pilates classes to condition the core muscles of the body. The classes are designed to slowly progress through various exercises of increasing difficulty as the semester advances. In addition, the students will learn basic instruction techniques that will lay the foundation for learning to become a Pilates instructor.

PEM 2128  Pilates II
3 sh (may not be repeated for credit)

Continuation of the exercises of Joseph H. Pilates. Expanding on the principles of movement within the Pilates environment from intermediate to advanced mat exercises with the use of small props.

PEM 2176  Kick Boxing
3 sh (may not be repeated for credit)

Students will learn about the basic components of kickboxing and the health benefits of participating in kickboxing classes. Students will participate in kickboxing classes, designed to slowly progress through various punches, kicks, and other combinations of increasing difficulty as the semester advances. In addition, students will learn basic instruction techniques that will lay the foundation for learning to become a kickboxing instructor.

PEM 2179  Boot Camp Fitness
3 sh (may not be repeated for credit)

Students will participate in Boot Camp classes that will include aerobic exercise and anaerobic drills to improve endurance, strength, power, and agility. Classes will be designed to slowly progress through various exercises and drills of increasing difficulty as the semester advances. In addition, students will learn basic instruction techniques that will lay the foundation for learning to become a Boot Camp instructor.

PEM 2323  Rock Climbing
2 sh (may not be repeated for credit)

Survey of the principles of bouldering, rappelling, and top-rope climbing. Skills include climbing techniques, belaying, knot tying, anchor systems, self-rescue, and equipment. This is an experiential course, so a high degree of class participation is mandatory. Most days will involve climbing. Skills are practically tested at the Climbing Center and on the required weekend outdoor climbing trip.

PEM 2440  Rape Aggression Defense (R.A.D.) Self-Defense for Women
3 sh (may not be repeated for credit)

Introduction to basic self-defense skills, escape and avoidance strategies, offensive and defensive postures, defensive techniques and simulated attacks. Includes an exploration of violence prevention and victim abuse community services. Basic fitness principles including strength, flexibility and cardiovascular fitness will be addressed. Intended for women only.

PEM 2444  Shotokan Karate
1 sh (may be repeated for up to 3.0 sh of credit)

Examines the background and methods involved in karate and emphasizes traditional Japanese style known as Shotokan Karate. Offers the student instruction that will enable him/her to participate in regional, national, and international collegiate events including tournaments, special training clinics, weekend camps, and interaction with Shotokan Karate clubs and organizations at other universities. While learning self-defense techniques through physical practice and training, the student will learn the significance of mental discipline and health benefits involved in the practice of Shotokan Karate. Graded on satisfactory/unsatisfactory basis only.

PEM 2446  Shotokan Karate II
1 sh (may not be repeated for credit)
Prerequisite: PEM 2444

Advanced instruction in the traditional Japanese style of Shotokan Karate for students who have basic knowledge and experience with this style of Karate. Opportunities are provided for students to build on their experience and skill levels. Graded on satisfactory/unsatisfactory basis only.

PEM 2444  Shotokan Karate III
1 sh (may not be repeated for credit)
Prerequisite: PEM 2445

Advanced instruction at the third level for students who have beginning skills in Shotokan Karate. Opportunities will be provided to allow students to continue to build their skill levels and prepare for introductory competitive activities. Graded on satisfactory/unsatisfactory basis only.

PHYSICAL EDUCATION ACTIVITIES:
PERFORMANCE CENTERED, LAND Courses

PEP 2500  Non-Traditional Sports
3 sh (may not be repeated for credit)

Designed for potential physical education teachers and sports administrators. Emphasis on development and understanding of skills in the most popular non-traditional sports in physical education and sports programs.

PEP 4113  Aging and Physical Performance
3 sh (may not be repeated for credit)

Provides an overview of the aging process and its effects on physical performance, and the major effects of regular exercise on the aging process. Emphasis will be placed on the understanding of the physiological, psychological and social factors which affect movement capabilities, the assessment of physical performance, and the development of activity programs for the aging. Offered concurrently with PEP 5118; graduate students will be assigned additional work.

PEP 5118  Aging and Physical Performance
3 sh (may not be repeated for credit)

Provides an overview of the aging process and its effects on physical performance, and the major effects of regular exercise on the aging process. Emphasis will be placed on the understanding of the physiological, psychological, and social factors affecting movement capabilities, the assessment of physical performance, and the development of activity programs for the aging population. Offered concurrently with PEP 4113; graduate students will be assigned additional work.
PHYSICAL EDUCATION ACTIVITIES: WATER, SNOW, ICE Courses

PEN 1121 Swimming (Beginning)  
1 sh (may not be repeated for credit)  
Equips students with basic water safety skills and knowledge to make them reasonable safe while in, on, or about the water. Introduction to swimming on front and back; additional training through skills designed to improve stamina and basic coordination. Other water sports will be introduced to add to the students' water experience. Graded on a Satisfactory/Unsatisfactory basis only.

PEN 1170 Water Aerobics I  
3 sh (may not be repeated for credit)  
Offers water exercise to develop physical fitness. In addition, offers instruction in a variety of water exercises and vigorous activities to develop cardiovascular and muscular endurance, flexibility and the promotion of body composition management.

PEN 1240 Beach Sports I  
3 sh (may not be repeated for credit)  
Designed to introduce beach sports to students in order to help improve overall physical fitness. This entry level class will cover sports including surfing, body boarding, windsurfing, ocean kayaking, beach volleyball, surf fishing, and jet skiing. Students will exercise using various types of beach equipment.

PEN 2114 Lifeguard Training  
3 sh (may not be repeated for credit)  
Acquaint the students with the skills and knowledge necessary for the maintenance of a safe environment in aquatic settings. Red Cross certification is available. Aquatic skills are required.

PET 2824 Analysis of Team Sports  
3 sh (may not be repeated for credit)  
Designed for potential physical education teachers and sports administrators. Emphasis is on development and understanding of skills in the most popular team sports in physical education and sports programs. Students are expected to participate in the class by practicing and learning sports skills in a logical and progressive manner.

PET 3020 Foundations of Physical Education and Sport Management  
3 sh (may not be repeated for credit)  
For physical education and sport management majors. Designed to acquaint them with the knowledge and understanding related to the development of physical education and sport and its significance to modern society.

PET 3283 Sports Media  
3 sh (may not be repeated for credit)  
Examines the role media plays in contemporary sports, the relationship between sports and sports media, and how these two entities influence the public's perception of sport as a growing industry. Examines the many professional careers associated with sports media including sports information, public/media relations, journalism, and broadcasting.

PHYSICAL EDUCATION THEORY Courses

PET 2604 Basic Care and Prevention Principles of Athletic Training  
3 sh (may not be repeated for credit)  
Designed to provide an overview of proper roles and responsibilities of the National Athletic Trainers' Association Board of Certification (NATABOC), Certified Athletic Trainer (ATC) in providing quality health care to the physically active individual, as well as other health care professionals that comprise the sports medicine team. In addition, specific skills related to athletic health care will be addressed. A grade of "B" or better is required.

PET 2622 Advanced Prevention and Care of Injuries in Health, Leisure, and Sports  
3 sh (may not be repeated for credit)  
Fitness and health, prevention and care of injuries, and restoration and rehabilitation of the injured. Standard first aid, anatomy and physiology are required.
PET 3670  Athletic Training Clinical I
1 sh (may not be repeated for credit)
Prerequisite: BSC 1085, BSC 1085L, PET 2604
Clinical observation, practice, and successful application of specific athletic training clinical proficiency under the direct supervision of a NATABOC Certified Athletic Trainer (clinical instructor). Clinical experiences are obtained in various athletic training settings, including the university’s athletic training settings, local high schools, outpatient rehabilitation clinics, and other settings where designated clinical instructors are utilized. Students are assigned to a supervising clinical instructor at each clinical experience site. Grade of "C" or better in BSC 1085, BSC 1085L, BSC 1086, BSC 1086L; and a "B" or better in PET 2604; Complete vaccination (or waiver), negative Tuberculosis (TB) Skin Test, physical examination by a licensed physician, verification that technical standards of the program are met, and fingerprint identification between May 20 and June 20; and Fifty hours of supervised observational experience under a NATABOC certified Athletic Trainer prior to August 1; Contact the Director of Athletic Training Education to obtain proper forms for meeting these requirements before deadlines.

PET 3671  Athletic Training Clinical II
1 sh (may not be repeated for credit)
Prerequisite: PET 3670
Clinical observation, practice, and successful application of specific athletic training clinical proficiency under the direct supervision of a NATABOC Certified Athletic Trainer (clinical instructor). Clinical experiences are obtained in various athletic training settings, including the university’s athletic training settings, local high schools, outpatient rehabilitation clinics, and other settings where designated clinical instructors are utilized. Students are assigned to a supervising clinical instructor at each clinical experience site.

PET 3680  Protective Methods in Sports Medicine
3 sh (may not be repeated for credit)
Principles in the selection, fabrication, and application of athletic equipment, orthotics, protective taping and bracing, and splints that are commonly used in various athletic training settings. Additionally, selection and application of selected emergency medical equipment and ambulation techniques/equipment will be addressed. Permission is required.

PET 3771  Group Fitness Management
3 sh (may not be repeated for credit)
Examines trends and skills necessary to instruct and manage group fitness activities. Emphasis on design, marketing, and instruction of programs for various populations. Topics include Yoga, Pilates, Dance Fitness, Kickboxing, Spinning, and Cardio Weight Lifting.

PET 3825  Educational Gymnastics and Dance
3 sh (may not be repeated for credit)
Provides the physical education major with some fundamental knowledge and abilities of gymnastics, dance and how to teach these two areas. Helps the student understand the contribution of dance and gymnastics to the field of Physical Education.

PET 4061  Motor Development and Skill Learning
3 sh (may not be repeated for credit)
Human motor development and the learning of motor skills are surveyed and discussed. Emphasis is placed upon factors affecting these processes and the design and selection of activities appropriate to the various stages of development and learning.

PET 4076  Balance and Mobility Training for Older Adults
3 sh (may not be repeated for credit)
Physical activity instruction for older adults. Emphasis will be on balance and mobility training. Topics include screening and assessment, core program principles and training methods, program design, leadership, and risk management.

PET 4213  Success in Sports
3 sh (may not be repeated for credit)
Success in Sports (SIS) is an integration of cross-boundary research documenting the determinants of success in sports. Special emphasis will be placed on elite athletic performance. Will be organized round theoretical accounts for the attainment of elite performance. In addition, the themes of Who in which profiles characteristics of elite athletes will be presented. Why in which inherited and acquired capacities responsible for elite performance will be presented, and How in which selected techniques to maximize training effects will be examined. Offered concurrently with PET 5216; graduate students will be assigned additional work.

PET 4251  Sociology of Sport
3 sh (may not be repeated for credit)
Examines sports using the sociological perspective. Focuses upon important, enduring issues within the sociology of sport in addition to a few controversial issues currently under debate. Through different theoretical perspectives, sport is analyzed as a key social institution that influences and is influenced by the larger society. Particular attention is paid to questions about the relationship between social stratification and sport.

PET 4310C  Mechanics of Human Motion
4 sh (may not be repeated for credit)
Anatomical, mechanical, analytical and functional aspects of human motor performance; emphasis upon analysis of joint actions and mechanical principles and their application to efficient movement. Anatomy and physiology are required. Material and supply fee will be assessed for corresponding lab.

PET 4310L  Mechanics of Human Motion Lab
0 sh (may not be repeated for credit)
Co-requisite: PET 4310C
Corresponding lab for Mechanics of Human Motion.

PET 4361  Sport Nutrition and Weight Control
3 sh (may not be repeated for credit)
The relationship between physical activity and nutrition; their combined effects on optimal health, fitness, and sport performance.

PET 4380  Exercise Testing and Prescription
3 sh (may not be repeated for credit)
Physiological theory, administrative principles and techniques of exercise testing and prescription. Includes health appraisal, risk stratification, and goal setting. Students are required to complete an exercise prescription assignment outside of class.

PET 4380L  Exercise Testing and Prescription Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PET 4380
Co-requisite: PET 4380
Provides practical experience in body fat analysis, flexibility testing, basic exercise stress testing, the PWC - 170 Submaximal Aerobic Capacity test, and performance testing for 7 fitness parameters.
PET 4383C  Physiological Basis of Strength Development
0-3 sh (may be repeated for up to 3.0 sh of credit)
Prerequisite: PET 4380 or PET 4623

Knowledge and understanding of the physiological functions of skeletal muscle and the dynamics of strength development. Offered concurrently with PET 5389C; graduate students will be assigned additional work. Permission is required.

PET 4442  Physical Education in the High School
2 sh (may not be repeated for credit)
Co-requisite: PET 4928

Designed to provide a knowledge base from which prospective physical education teachers can plan and implement appropriate activities in the high school setting.

PET 4605  General Medical Conditions
2 sh (may not be repeated for credit)
Prerequisite: PET 3670

A specialized course dealing with the pathology, signs and symptoms, and management/treatment of selected general medical conditions affecting the physically active individual.

PET 4610  Evaluation Techniques of Athletic Injuries II
3 sh (may not be repeated for credit)
Prerequisite: APK 4305

A specialized course dealing with anatomy, signs and symptoms, and specific orthopedic tests used when assessing athletic injuries and conditions of the upper extremity and neck, as well as analysis of the throwing arm.

PET 4623  Rehabilitation of Athletic Injuries
3 sh (may not be repeated for credit)
Prerequisite: PET 2622

Clinical application of principles of evaluating, assessing, and rehabilitating sports-related injuries. Offered concurrently with PET 5626; graduate students will be assigned additional work.

PET 4623L  Rehabilitation of Athletic Injuries Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PET 2622
Co-requisite: PET 4623

Provides the athletic training student an opportunity to demonstrate proper application of required competency skills in the area of rehabilitation. Permission is required.

PET 4632  Therapeutic Modalities in Athletic Training
3 sh (may not be repeated for credit)
Prerequisite: PET 2622
Co-requisite: PET 4632L

Principles and proper use of therapeutic modalities. Topics include indication, contraindication, techniques and effects of various physical agents involved in the care and treatment of injuries. Permission is required.

PET 4632L  Therapeutic Modalities in Athletic Training Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PET 2622
Co-requisite: PET 4632

Supports the theory course and provides a clinical experience for the athletic training student. Topics include indications, contraindications, application and proper use of a variety of physical agents involved in the care and treatment of athletic injuries. Permission is required.

PET 4672  Athletic Training Clinical III
1 sh (may not be repeated for credit)
Prerequisite: PET 3671

Clinical observation, practice, and successful application of specific athletic training clinical proficiencies under the direct supervision of a NATABOC Certified Athletic Trainer (clinical instructor). Clinical experiences are obtained in various athletic training settings, including the university’s athletic training settings, local high schools, outpatient rehabilitation clinics, and other settings where designated clinical instructors are utilized. Students are assigned to a supervising clinical instructor at each clinical experience site.

PET 4673  Athletic Training Clinical IV
1 sh (may not be repeated for credit)
Prerequisite: PET 4672

Clinical observation, practice, and successful application of specific athletic training clinical proficiencies under the direct supervision of a NATABOC Certified Athletic Trainer (clinical instructor). Clinical experiences are obtained in various athletic training settings, including the university’s athletic training settings, local high schools, outpatient rehabilitation clinics, and other settings where designated clinical instructors are utilized. Students are assigned to a supervising clinical instructor at each clinical experience site.

PET 4674  Physical Education in the Middle School
2 sh (may not be repeated for credit)
Co-requisite: PET 4927

Designed to provide a knowledge base so prospective physical education teachers can plan and implement appropriate activities for the middle school.

PET 4710  Special Methods in Physical Education
3 sh (may not be repeated for credit)
Prerequisite: PET 3671

Designed of exercise programs for individuals with special medical conditions such as rheumatoid arthritis, osteoporosis, spinal disorders, diabetes, obesity, heart disease, hypertension, and pregnancy.

PET 4720  Physical Education in the Elementary School
2 sh (may not be repeated for credit)
Co-requisite: PET 4926

Designed to provide a knowledge base so prospective physical education teachers can plan and implement appropriate activities for the elementary school.

PET 4770  Physical Education in the High School
2 sh (may not be repeated for credit)
Co-requisite: PET 4927

Designed to provide a knowledge base from which prospective physical education teachers can plan and implement appropriate activities for the high school student. Emphasis is placed on understanding the progression from middle school to the high school developmental curricula.

PET 4744  Student Teaching in Physical Education
6-10 sh (may be repeated for up to 10.0 sh of credit)
Prerequisite: PET 4710

Ten weeks of supervised teaching in a public or private school. Student teaching assignments will be made by the HLES staff and are limited to the seven westernmost counties of the Florida Panhandle. Graded on a satisfactory/unsatisfactory basis only. Permission is required.
PET 4765  Theory and Practice of Coaching
3 sh (may not be repeated for credit)
Introduction to coaching as a profession including ethical and legal considerations. Techniques and methods of coaching are explored. Active participation in a coaching internship in a selected sport and permission is required.

PET 4926  Practicum I: Elementary School Physical Education
1 sh (may not be repeated for credit)
Co-requisite: PET 4720
Utilization of observation techniques with individual and small groups of pupils in the elementary school physical education setting. Students will observe teachers and assist with planning and organization of class activities. A minimum of three hours per week will be spent in the setting.

PET 4927  Practicum II: Middle School Physical Education
1 sh (may not be repeated for credit)
Co-requisite: PET 4730
Utilization of observation techniques with individual and small groups of pupils in the middle school physical education setting. Students will observe teachers and assist with planning and organizing class activities. A minimum of three hours per week will be spent in the setting.

PET 4928  Practicum III: High School Physical Education
1 sh (may not be repeated for credit)
Co-requisite: PET 4442
Utilization of observation techniques with individual and small groups of pupils in the high school physical education setting. Students will observe teachers and assist with planning and organizing all activities. A minimum of three hours per week will be spent in the setting.

PET 5052  Motor Learning
3 sh (may not be repeated for credit)

PET 5216  Success in Sports
3 sh (may not be repeated for credit)
Success in Sports (SIS) is an integration of research documenting the determinants of successful sport performance. Special emphasis will be placed on the attainment of elite athletic performance. The course will be organized around theoretical accounts for the attainment of elite performance. Offered concurrently with PET 4213; graduate students will be assigned additional work.

PET 5389C  Physiological Basis of Strength Development
3 sh (may not be repeated for credit)
Knowledge and understanding of the physiological functions of skeletal muscle and the dynamics of strength development. Offered concurrently with PET 4383C; graduate students will be assigned additional work. Permission is required.

PET 5553  Advanced Exercise Testing and Prescription
3 sh (may not be repeated for credit)
Physiological theory, administrative principles and techniques of exercise testing and prescription. Includes health appraisal, risk stratification, and goal setting. Students are required to complete an exercise prescription assignment outside of class. Course includes hands on experience in exercise testing with advanced equipment including hydrostatic weighing, environmental conditions, and blood glucose and lactate analysis. Course concludes with a student presentation of an exercise prescription based on testing results, medical and exercise history and risk stratification.

PET 5626  Rehabilitation of Athletic Injuries
3 sh (may not be repeated for credit)
Prerequisite: PET 2622
Clinical application of principles of evaluating, assessing, and rehabilitating sports-related injuries. Offered concurrently with PET 4623; graduate students will be assigned a research project as additional graduate work.

PET 5701  Systematic Observation in Sport and Physical Education
3 sh (may not be repeated for credit)
Students will learn to use a systematic approach to observe sport and physical education instruction. Emphasis will be on using published systematic observation instruments and the development of new instruments as objective tools for observation.

PET 5702  Advanced Management of Physical Education Programs
3 sh (may not be repeated for credit)
This course will prepare students to effectively use current curricular theory and administrative techniques to design and implement effective developmentally appropriate physical education programs. Emphasis is placed on developing and implementing the instructional component of physical education programs.

PET 5708  Instructional Design in Physical Education
3 sh (may not be repeated for credit)
The aim of this course is to examine models of and current research related to physical education curriculum and instructional design in schools and Physical Education Teacher Education programs. This course will provide students with skills that will enable them to interpret, critique, and evaluate models and research of physical education curricula and instructional design in schools and PETE programs.

PET 5709  Advanced Curriculum in Physical Education
3 sh (may not be repeated for credit)
This course will assist students in developing knowledge and skills in the development and assessment of the physical education learning environment. An emphasis will be placed on current curricular theory and practices beyond those covered in undergraduate physical education programs.

PET 5805  Analysis and Supervision in Physical Education
3 sh (may not be repeated for credit)
This course prepares students to analyze instructional quality in physical education teaching and program design.
PET 6003  Advanced Theoretical Models of Health and Physical Education
3 sh (may not be repeated for credit)
Provides the student with knowledge of common theoretical models used in health and physical education and the skills to use the theories in practice.

PET 6015  Professional Issues in Physical Education
3 sh (may not be repeated for credit)
This course will assist students in understanding the professional issues and concerns that are an inherent part of the physical education profession and to use that understanding to effective and positive participation in the profession of teaching physical education.

PET 6074  Successful Aging: Physiological Aspects
3 sh (may not be repeated for credit)
Designed to assist the student in developing an understanding of the complex changes that accompany advancing age and an appreciation for the functional consequences of these changes for subsequent behavior. Emphasis will be placed on the evaluation of cardiovascular, respiratory, musculoskeletal, and body composition changes with advancing age.

PET 6516  Advanced Assessment and Evaluation in Health and Physical Education
3 sh (may not be repeated for credit)
Prepares doctoral students to assess student learning in PreK-12 and higher education settings and to conduct effective program evaluations.

PET 6535  Strategic Planning and Instructional Design in PE and Health
3 sh (may not be repeated for credit)
Examines instructional models, planning theory, and current research related to physical education and health curriculum and instructional design in K-12 schools and in higher education. Introduces students to the process of planning and designing elementary, secondary, and higher education physical education and health programs.

PET 6706  Analysis of Research on Teaching in Physical Education
3 sh (may not be repeated for credit)
The purpose of this course is to introduce students to various streams of research in physical education and help them to critically analyze the quality of that research and its influence on the teaching and learning process in physical education.

PET 6707  Research on Physical Education/Teacher Education
3 sh (may not be repeated for credit)
This course is designed to examine the development, design, and application of the research in physical education/teacher education.

PET 6708  Research on Teaching Physical Education and Health
3 sh (may not be repeated for credit)
Provides students with skills to interpret, critique, and evaluate research in physical education and health teaching. Attention focused on the application of research within the context of physical and health education teaching.

PET 6716  Observation and Analysis of Teaching in Physical Education
3 sh (may not be repeated for credit)
Focuses on the study of self and others engaged in the process of interactive teaching and coaching, especially within the school context. Examines the teaching/coaching and managerial behaviors related to the learning and performance of physical education, to present data-based instruments for observing teachers, to provide guidelines for the systematic development of observation instruments to meet specific needs, and to begin to acquaint the student with the approaches to observing teaching/coaching, a brief introduction to qualitative observation will be given in this course.

PET 6774  Models of Teaching in Physical Education and Health
3 sh (may not be repeated for credit)
Provides theory and practice in teaching strategies designed to facilitate learner achievement in the cognitive, affective, and psychomotor domains.

PHYSICAL OCEANOGRAPHY Courses

OCP 4002  Physical Oceanography
3 sh (may not be repeated for credit)
Prerequisite: Either (PHY 2048, PHY 2048L) or (PHY 2053, PHY 2053L)
An introduction to concepts in physical oceanography. Topics include: observation of temperature, salinity, density, and currents; wind- driven and geostrophic currents/ density-driven circulation; upwelling; surface waves, tides, and internal waves; air/sea interaction; and waves and coastal processes.

OCP 4550  Global Climate Change: Oceanic/Atmospheric Interactions
3 sh (may not be repeated for credit)
Prerequisite: BSC 2311, BSC 2311L, GEO 3250, GEO 3250L
The role of the world ocean on climate in the present, past, and future. Causes and effects (like sea level change) of natural climate variability on time scales of millions to a few years. Interaction of ocean and atmosphere (greenhouse gases, currents, and wind). Discussions of impact of human activity and of future climate scenarios.

PHYSICS Courses

PHY 1020  Introduction to Concepts in Physics
3 sh (may not be repeated for credit)
An introductory survey of the natural laws of the universe. Presents the basic concepts associated with the scientific method, force and motion, matter and energy, electricity and magnetism, the atom and the solar system. Open to elementary education and other non-science majors. (General Studies Course: NS/LEC).

PHY 1020L  Introduction to Concepts in Physics Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PHY 1020
Co-requisite: PHY 1020
An introductory laboratory providing hands-on experience with basic experiments in physics involving the concepts of force and motion, matter and energy, electricity and magnetism, and the atom. Open to elementary education and other non-science majors. (General Studies Course: NS/LAB).
PHY 2048 University Physics I
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Linear and rotational motion of objects in 1, 2, and 3 dimensions, concepts of work and energy, oscillations and waves, heat and thermodynamics. (General Studies Course: NS/LEC).

PHY 2048L University Physics I Lab
1 sh (may not be repeated for credit)
Selected experiments in mechanics, oscillatory motion, and heat. (General Studies Course: NS/LAB).

PHY 2049 University Physics II
3 sh (may not be repeated for credit)
Prerequisite: PHY 2048, MAC 2312
Continuation of PHY 2048. Electromagnetism; basic electric circuits; optics; selected topics in modern physics. (General Studies Course: NS/LEC).

PHY 2049L University Physics II LAB
1 sh (may not be repeated for credit)
Prerequisite: PHY 2048L
Co-requisite: PHY 2049
Selected experiments in optics, electricity, and magnetism. (General Studies Course: NS/LAB).

PHY 2053 General Physics I
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MAC 1140 or MAC 1114 or MAC 2233 or MAC 2311
Mechanics, heat, waves, and sound. (General Studies Course: NS/LEC).

PHY 2053L General Physics I Laboratory
1 sh (may not be repeated for credit)
Selected experiments in mechanics, oscillatory motion, and heat. (General Studies Course: NS/LAB).

PHY 2054 General Physics II
3 sh (may not be repeated for credit)
Prerequisite: PHY 2053
Continuation of PHY 2053. Light, electricity and magnetism; elementary quantum theory; atomic, nuclear and particle physics. (General Studies Course: NS/LEC).

PHY 2054L General Physics II Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PHY 2053L
Co-requisite: PHY 2054
Selected experiments in optics, electricity, and magnetism. (General Studies Course: NS/LAB).

PHY 3013 Physics and Mathematics for Game Programming
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MAC 1140 or MAC 1114 or MAC 2233 or MAC 2311
Introduction to basic principles including linear and rotational motion with forces, friction, air resistance, gravity, collisions, waves, geometry, vectors, matrices, derivatives, applications to 2-D and 3-D transformations and rendering, 2-D and 3-D kinematics, and dynamics, simulation of water, waves, cars, hovercraft, ships and boats, aircraft and spacecraft.

PHY 3106 Modern Physics I
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313 and either PHY 2049 or PHY 2054
Introduction to modern physics, theory of relativity, electromagnetic waves and photons, matter waves, quantum theory, atomic structure, quantum mechanics.

PHY 3106L Modern Physics Laboratory
2 sh (may not be repeated for credit)
Prerequisite: PHY 3106
Co-requisite: PHY 3106
Selected experiments in modern physics and optics. Material and supply fee will be assessed.

PHY 3107 Modern Physics II
3 sh (may not be repeated for credit)
Prerequisite: PHY 3106
Special topics in modern physics: quantum mechanics, atomic structure, molecular structure, atomic and molecular spectra, physics of solids, and band structure, nuclear structure, nuclear forces, radioactive decay and nuclear reactions, elementary particles, and fundamental interactions.

PHY 3220 Intermediate Mechanics
4 sh (may not be repeated for credit)
Prerequisite: PHY 2048 or PHY 2053
Co-requisite: MAP 2302
Particle mechanics in 1, 2 and 3 dimensions for various forces. Central forces and celestial mechanics. Systems of many particles. Rigid body dynamics. Introduction to Lagrangian methods.

PHY 3424 Optics
3 sh (may not be repeated for credit)
Prerequisite: PHZ 4113
Geometrical, physical, and modern optics. Polarization, interference, diffraction, holography, and optical fibers.

PHY 4323 Electricity and Magnetism I
3 sh (may not be repeated for credit)
Prerequisite: EGM 3512 or PHY 3220; MAS 4156 or PHZ 4113
Electrostatics, Gauss’s Theorem, magnetic fields, Biot-Savart Law, electromagnetic induction, introduction to Maxwell’s Equations, and electromagnetic waves.

PHY 4325 Electricity and Magnetism II
3 sh (may not be repeated for credit)
Prerequisite: PHY 4323
Maxwell’s equations and electromagnetic waves in vacuum and in a medium, radiation from dipoles and antennas, transmission lines, wave guides, relativistic electrodynamics, Lienard-Weichert Potentials.

PHY 4445 Lasers and Applications
3 sh (may not be repeated for credit)
Prerequisite: PHY 2049 or PHY 2054
Introduction to lasers and applications covering topics on nature of light, photons, elements of semiconductor physics, modulation of light, displays, laser principles, types of lasers and their design, photodetectors, fiber optics, optical communications.
PHYSICS (CONTINUED) Courses

PHZ 1450 Exotic Physics
3 sh (may not be repeated for credit)
Prerequisite: PHY 2048, MAC 2313
Co-requisite: PHZ 4113

PHY 4604 Quantum Theory I
3 sh (may not be repeated for credit)
Prerequisite: PHY 3107, PHY 4323
This is the first semester of a two semester undergraduate level course covering the theory of quantum mechanics. This theory is the foundations of modern physics and is an introduction to the main concepts and tools for applying quantum mechanics to a variety of different problems.

PHY 4605 Quantum Theory II
3 sh (may not be repeated for credit)
Prerequisite: C- or better PHY 4604 Quantum Theory I
This is the second semester of two semester undergraduate level course covering the theory of quantum mechanics. This theory is the foundations of modern physics. This course emphasizes the application of quantum mechanics to a variety of problems.

PHY 4910 Independent Research
2 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: PHY 3106
Experimental or theoretical research on an individually assigned project. Permission is required. Material and supply fee will be assessed.

POLITICAL SCIENCE Courses

POS 2041 American Politics
3 sh (may not be repeated for credit)
Deals with the constitutional principles on which the republic was founded, the evolution of institutions which emerged after 1789, and the development of processes and policies in response to 20th Century challenges and changes in the political culture. (General Studies Course: SS/SOC).

POS 3033 Analyzing Political Issues
3 sh (may not be repeated for credit)
From the education of our children to the safety of our airlines, those who make the laws affect each of our lives on a daily basis. Rarely, however, is the public aware of the process by which new ideas become law of the reasons why archaic policy solutions are left unchanged. A survey of contemporary issues in American politics such as energy and the environment education, health care, welfare programs, crime and the economy. Throughout the semester, we will grapple with competing theories and competing methodologies for describing, analyzing, and evaluating what governments do in the political world in which we currently live.

POS 3072 Women and Politics
3 sh (may not be repeated for credit)
The evolution of women's involvement in politics, as voters, activists, candidates, and public officials. The history of the women's movement will be traced from the founding to the Seneca Falls Convention (1848), to the suffrage movement of the early 1900s, to the Year of the Woman in 1992. Examines the contemporary participation of women in American political institutions, particularly the U.S. Congress and state legislatures. Outlines the character and substance of women's participation in both the electoral and policy-making arenas to better understand the influence of women in the American political system.

POS 3122 Issues in American Government and Politics
3 sh (may not be repeated for credit)
Significant issues relative to the constitutional, organizational and political processes of American government and politics.

POS 3283 Judicial Process
3 sh (may not be repeated for credit)

POS 3413 The Presidency
3 sh (may not be repeated for credit)
We begin our exploration of the American presidency with a critical overview of the constitutional parameters of the executive office. What did our founding fathers expect from an executive? From there we examine how the presidential institution has evolved since the founding. The presidency definitely has a somewhat different place now in our separated system of branches sharing power than it once did. One of the most important features we address is how individual presidents have impacted the scope and direction of the office. We highlight the important role of person style, leadership, persuasion, and charisma as an influence on American government as a whole. Finally, we evaluate competing theories of presidential power to see how useful they are in explaining contemporary presidential politics.
POS 3424  The Legislative Process
3 sh (may not be repeated for credit)
Prerequisite: POS 2041
Politics of accommodation in formulating authoritative policies and
general rules; emphasis on U.S. Congress and Florida Legislature in
action; relations to other governmental processes.

POS 3453  Political Parties and Interest Groups
3 sh (may not be repeated for credit)
Prerequisite: POS 2041
Political parties, nominations, campaigns, elections, voting behavior,
political recruitment, party organization and parties as managers of
government. Roles and functions of interest groups.

POS 3602  The Founders' Constitution
3 sh (may not be repeated for credit)
Discussion of the debates behind the creation and adoption of the
American Constitution. Analysis of the notes of the Constitutional
Convention of 1787 and the alternative proposals for the organization
of the National Government. Examination of the merits of arguments
both for and against the adoption of the Constitution and the records
of the creation and adoption of the Bill of Rights in the First Congress.

POS 3608  Constitutional Law: Federalism and Separation of Powers
3 sh (may not be repeated for credit)
Offers an introduction to the fundamental features of the Supreme
Court and its Constitutional jurisprudence. In particular, students
will examine through a case-study approach the evolution of judicial
review, separation of powers, powers of the President and Congress,
the evolution of federalism, the national commerce power, and national
taxing and spending powers.

POS 3624  Constitutional Law: Individual Rights and Privileges
3 sh (may not be repeated for credit)
Offers an introduction to Supreme Court's role in the protection of
individual rights, due process, and the equal protection of the laws. In
particular, students will examine through a case study approach the
evolution of the Court's jurisprudence in cases pertaining to civil rights
and individual freedoms protected under the Constitution of the United
States.

POS 3625  First Amendment Freedoms
3 sh (may not be repeated for credit)
Problem areas and doctrinal evolution in the judicial protection of
First Amendment freedoms. Among specific subjects to be examined
will be: free speech and press, free exercise of religion, state aid to
religious schools, regulation of obscenity, freedom of association, and
regulation of subversive activity.

POS 3734  Political Science Research Methods
3 sh (may not be repeated for credit)
Introduction to research methods in political science and the concepts
associated with it. Surveys, polling, research design, sampling, data
analysis and library research.

POS 3XX2  Women and Politics
3 sh (may not be repeated for credit)
This course traces the evolution of women's involvement in politics
as voters, activists, candidates, and public officials. First, the history
of the women's movement will be traced from the founding to the
Seneca Falls Convention (1848), to the suffrage movement of the early
1900s, to the Year of the Woman in 1992. Secondly, this course will
evaluate the contemporary participation of women in American political
institutions. It will examine the character and substance of women's
participation in both the electoral and policy-making arenas to better
understand the influence of women in the American political system.

POS 4673  Jurisprudence
3 sh (may not be repeated for credit)
A survey of various approaches to theorizing about the Concept of
Law. The Natural Law, Legal and Analytical Positivist, Sociological,
Realist, and Critical Legal Studies approaches will be studied. In
addition, concepts of Justice will be considered.

POS 4941  Internships
1-6 sh (may be repeated for up to 6.0 sh of credit)
Special "real-world" encounters programs designed for the individual
student. Student must contact their advisor one semester in advance
of desired date for internship. Graded on a satisfactory/unsatisfactory
basis only. Permission is required.

POS 6006  The Study of Politics
3 sh (may not be repeated for credit)
Introduces the graduate study of political science. It concerns "scope"
more than "method," and the range is broad, focusing on what political
scientists do--teach, research, advise, and serve. Concerns embrace
every conceivable level--local, regional, national, cultural, global,
planetary.

POS 6045  American Politics
3 sh (may not be repeated for credit)
Concept of politics: some of the principles that have led to the
development of the American political system and the political order
that has been created by the constitution.

POS 6704  Political Science Research Methods
3 sh (may not be repeated for credit)
Methods and logic of research in political science.

POS 6940  Internship
2-6 sh (may be repeated for up to 6.0 sh of credit)
The Department of Government encourages students to intern at
governmental and non-profit agencies, as well as selected private-
section firms, as an opportunity to gain practical experiences in a
field of endeavor related to political science. In some instances,
the internship could provide the intern with an opportunity for future
employment. Although students are free to find their own internships,
the Department will work with students in accomplishing this task.
Eligibility requirements for an internship: 3.0 or higher GPA. Students
should be enrolled in the Masters of Political Science Program, and
have completed all core courses. Graded on satisfactory/unsatisfactory
basis only. Permission is required.

POS 6971  Thesis
1-6 sh (may be repeated for up to 12.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is
required.
POLITICAL THEORY Courses

POT 3103   Law and Politics in Literature
3 sh (may not be repeated for credit)
Discussion of law and politics within history's most prominent literary works. Examination of the rule of law within political life in relation to character and plot development. Exploration in the ways in which literature illustrates the challenges posed by human nature to the just administration of law.

POT 4013   Ancient Masters of Political Thought
3 sh (may not be repeated for credit)
A survey of several of the seminal works by political theorists of the ancient and medieval period, including Plato, Aristophanes, Xenophon, Aristotle, Cicero, and St. Augustine. Readings will introduce such themes as the classification of regimes, the debate between the poets and the philosophers, the role of the virtues in perpetuation of civic order, the of the many and the one, the tension between the philosopher and the city, the problems of justice, the ideas of Nature and human nature, and the status if the gods and/or religion in political life.

POT 4204   American Political Thought
3 sh (may not be repeated for credit)
Significant American political theorists, schools of thought and their influence on the political system. Offered concurrently with POT 5207; graduate students will be assigned additional work.

POT 4601   Modern Masters of Political Thought
3 sh (may not be repeated for credit)
Evaluates ideas about the origin, justification, organization, and performance of government by great thinkers from Machiavelli to the present. Offered concurrently with POT 5602; graduate students will be assigned additional work.

POT 5016   Ancient Masters of Political Thought
3 sh (may not be repeated for credit)
A survey of several of the seminal works by political theorists of the ancient and medieval period, including Plato, Aristophanes, Xenophon, Aristotle, Cicero, and St. Augustine. Readings will introduce such themes as the classification of regimes, the debate between the poets and the philosophers, the role of the virtues in perpetuation of civic order, the problem of the many and the one, the tension between the philosopher and the city, the problems of justice, the ideas of Nature and human nature, and the status of the gods and/or religion in political life.

POT 5207   American Political Thought
3 sh (may not be repeated for credit)
Significant American political theorists and schools of thought; their influence on the political system. Offered concurrently with POT 4204; graduate students will be assigned additional work.

POT 5602   Modern Masters of Political Thought
3 sh (may not be repeated for credit)
Evaluates ideas about the origin, justification, organization, and performance of government by great thinkers from Machiavelli to the present. Offered concurrently with POT 4601; graduate students will be assigned additional work.

PROCESS BIOLOGY: CELL/MOLECULAR/ECOLOGY/GENETICS/PHYSIOLOGY Courses

PCB 2131   Cell Biology
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045, CHM 2046; either BOT 2010 or ZOO 1010
Introductory cell biology. Comprehensive study of prokaryotic and eukaryotic cells and their organelles with emphasis on structure and function and their relationships. Two terms of general chemistry are required prior to taking this course.

PCB 2131L   Cell Biology Laboratory
1 sh (may not be repeated for credit)
Co-requisite: PCB 2131
Basic experimental techniques in cell biology. Material and supply fee will be assessed.

PCB 3063   Genetics
4 sh (may not be repeated for credit)
Prerequisite: PCB 2131, PCB 2131L; and either ZOO 1010 OR BOT 2010
Co-requisite: PCB 3063L
Origin, development and principles of modern genetics and genetic manipulations. Material and supply fee will be assessed for corresponding lab. Two academic terms of introductory biology are required prior to taking this course.

PCB 3063L   Genetics Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB 3063
Corresponding lab for Genetics.

PCB 3253   Developmental Biology
4 sh (may not be repeated for credit)
Co-requisite: PCB 3253L
Development from molecular, cellular and multicellular aspect; information flow, morphogenesis and differentiation in multicellular animals and plants. Material and supply fee will be assessed for corresponding lab.

PCB 3253L   Developmental Biology Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB3253
Corresponding lab for Developmental Biology.

PCB 4043   Ecology
4 sh (may not be repeated for credit)
Prerequisite: STA 2023; both CHM 2045, CHM 2045L and CHM 2046, CHM 2046L and one from the groups: BOT 2010, BOT 2010L or PCB 2131, PCB 2131L or ZOO 1010, ZOO 1010L
Co-requisite: PCB 4043L
Interactions of microorganisms, plants, and animals with abiotic and biotic factors in the environment are examined as determinants of the distribution and abundance of species, population dynamics and ecosystem function. General concepts and methodologies of ecological science are discussed at individual, population, community and ecosystem levels of organization. Material and Supply Fee will be assessed for corresponding lab.
PCB 4034L Ecology Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB 4034

PCB 4048 Estuarine Ecology
4 sh (may not be repeated for credit)
Prerequisite: CHM 2045, CHM 2045L, CHM 2046, CHM 2046L, CHM 2210, CHM 2210L, PCB 4043
Co-requisite: PCB 4048L

Physical, chemical, and geological/bedrock characteristics of estuaries are discussed with respect to the structure and functional ecology of water column and benthic/biological communities and their interactions. Physical and biogeochemical factors that influence and/or regulate the distributions and abundance of estuarine species are emphasized. Human interactions with these systems will also be discussed. Offered concurrently with PCB 5445; graduate students will be assigned additional work.

PCB 4048L Estuarine Ecology Laboratory
0 sh (may not be repeated for credit)
Co-requisite: PCB 4048

Field and laboratory techniques in estuarine ecology, accompanies the lecture component of PCB 4048. Common field and laboratory techniques in estuarine ecology will be emphasized. Offered concurrently with PCB 5445L (Estuarine Ecology Laboratory); graduate students will be assigned additional work.

PCB 4233 Immunology
3 sh (may not be repeated for credit)
Prerequisite: BCH 3033

Basic principles of immunology to include humoral and cell-mediated immune mechanisms, the complement system and the inflammatory response. Offered concurrently with PCB 5235; graduate students will be assigned additional work.

PCB 4233L Immunology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PCB 4233
Co-requisite: PCB 4233

Selected experiments in immunology. Special permission required. Permission granted on the basis of fulfilling prerequisite. Material and Supply Fee will be assessed. Offered concurrently with PCB 5235L; graduate students will be assigned additional work.

PCB 4364 Marine Ecological Physiology
3 sh (may not be repeated for credit)

Interdisciplinary approach to understanding and interpreting interrelationships between adaptation and environment in marine animals. Examines life history strategies and tactics unique to organisms found living in or around marine habitats. Specific behavioral and physiological responses of marine animals exposed to feeding, metabolic, osmotic, oxic and thermal challenges are discussed. Offered concurrently with PCB 5319; graduate students will be assigned additional work.

PCB 4364L Marine Ecological Physiology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PCB 4364
Co-requisite: PCB 4364

Field techniques for quantifying physiological adaptations of marine organisms to their abiotic environment. Students will characterize marine habitats and assess feeding, metabolic, osmic, thermal and osmoregulatory strategies used by vertebrates and invertebrates living in these habitats. Material and Supply Fee will be assessed. Offered concurrently with PCB 5319L; graduate students will be assigned additional work.

PCB 4374 Tropical Ecology
1-3 sh (may be repeated for up to 9.0 sh of credit)

Five week course culminating in an eight day expedition to Costa Rica to study coral reefs, mangrove forests, as well as tropical dry, rain and cloud forests. Students will attend a lecture series discussing selected topics in tropical ecology prior to the expedition. A series of slides featuring plants and animals common to the area will be shown to familiarize students with the local flora and fauna and to give them a greater appreciation for tropical ecology. Offered concurrently with PCB 5344; graduate students will be assigned additional work.

Permission is required.

PCB 4442 Wetlands Ecology
4 sh (may not be repeated for credit)
Co-requisite: PCB 4442L

Ecosystem approach to the study of wetlands emphasizing the interactions between soil, plants and hydrology in forming different types of wetland systems, especially in the southeastern United States. Plant and animal adaptations to wetland environments, influences on these communities by human activities, and issues related to wetland restoration. Offered concurrently with PCB 5446; graduate students will be required to read 3 peer-reviewed papers, and present an overview of these papers to the entire class. Material and supply fees will be assessed for corresponding lab.

PCB 4442L Wetlands Ecology Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB 4442

Corresponding lab for Wetlands Ecology.

PCB 4482 Quantitative Ecology
3 sh (may not be repeated for credit)
Prerequisite: PCB 4043 and STA 2023

Presents the basic tools necessary to collect data to explore the patterns and relationships of biotic communities. Emphasizes how to take raw data and derive estimates of a variety of parameters related to the ecology of individual organisms, populations, and communities. Methods of estimating abundance, survival, habitat selection, species diversity and community similarity are presented in detail. An introduction to sampling design and statistics is also included. Offered concurrently with PCB 5480; graduate students will be assigned additional work.
PCB 4522  Genetic Engineering
3 sh (may not be repeated for credit)
Prerequisite: MCB 3020, PCB 3063, and BCH 3033.
Principles of molecular cloning, including the methods involved in constructing, characterizing and manipulating recombinant molecules. The application of recombinant DNA technology to basic problems in agriculture, biology, genetics and medicine. Offered concurrently with PCB 5525; graduate students will be assigned additional work.

PCB 4524  Molecular Biology
4 sh (may not be repeated for credit)
Prerequisite: BCH 3033, BCH 3033L
Co-requisite: PCB 4524L
Study of the molecular level of the principles governing DNA replication, repair, RNA transcription, and protein synthesis in both prokaryotes and eukaryotes. Surveys molecular processing, and recombinant DNA technology. Offered concurrently with PCB 5527; graduate students are required to write a research paper and present it to the class. Material and supply fee will be assessed to corresponding lab. A grade of "C" or higher is required in prerequisite courses.

PCB 4524L  Molecular Biology Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB 4524
Corresponding lab for Molecular Biology.

PCB 4673  Principles of Evolution
3 sh (may not be repeated for credit)
Prerequisite: PCB 2131 and either BOT 2010 or ZOO 1010.
A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. Offered concurrently with PCB 5675; graduate students will be assigned additional work.

PCB 4703  Human Physiology
3 sh (may not be repeated for credit)
Physiological mechanisms of various organ systems in the human body. Emphasis on transport mechanisms, renal function, hormones, respiration, cardiac function, muscle physiology, digestion, and immune systems.

PCB 4723  Comparative Animal Physiology I
3 sh (may not be repeated for credit)
General and comparative animal physiology. Study of complex structures, phenomena, and concepts involved in regulation physiological processes employed by different groups of animals. Material and Supply Fee will be assessed. Offered concurrently with PCB 5727; graduate students will be assigned additional work.

PCB 4723L  Comparative Animal Physiology I Laboratory
1 sh (may be repeated for up to 0.0 sh of credit)
Prerequisite: PCB 4723
Co-requisite: PCB 4723
General and comparative animal physiology. Complex structures, phenomena, and concepts involved in regulation of a variety of physiological mechanisms. Material and Supply Fee and Equipment Fee will be assessed. Offered concurrently with PCB 5727L; graduate students will be assigned additional work.

PCB 4970  Interdisciplinary Senior Research Project
3 sh (may not be repeated for credit)
The student will choose one faculty member from computer sciences and one faculty member from biology to serve as the research project committee. In close association with the committee, the student will design a research problem that generates biological data and utilizes a variety of programming skills, appropriate software and other computational skills in the design, data generation and data analysis steps, as well as in the construction of the formal report on the project. The primary purpose is to clearly demonstrate that the student is capable of integrating the knowledge they have acquired in biology with that which they have obtained in computer science. Senior status in the ITT program and permission is required. Graded on satisfactory/unsatisfactory basis only.

PCB 4922  Biology Seminar
1 sh (may not be repeated for credit)
Seminar topics from a diverse spectrum of current biological research will be presented by a variety of speakers from UWF, national and international academic research instructors and agencies. Offered concurrently with PCB 5924; graduate students will be assigned additional work.

PCB 4922L  Biology Seminar Laboratory
1 sh (may not be repeated for credit)
Selected experiments in immunology. Material and supply fee will be assessed. Offered concurrently with PCB 4233L; graduate students will be assigned additional work.

PCB 4925  Comparative Animal Physiology I Laboratory
1 sh (may not be repeated for credit)
Selected experiments in immunology. Material and supply fee will be assessed. Offered concurrently with PCB 4233; graduate students will be assigned additional work.

PCB 5191  Marine Ecological Physiology
3 sh (may not be repeated for credit)
Prerequisite: CHM 2210, STA 2023, and PCB 4043.
Co-requisite: PCB 5319L
Interdisciplinary approach to understanding and interpreting interrelationships between adaptation and environment in marine animals. Examines life history strategies and tactics unique to organisms found living in or around marine habitats. Specific behavioral and physiological responses of marine animals exposed to feeding, metabolic, osic, osmotic and thermal challenges are discussed. Offered concurrently with PCB 4364; graduate students will be assigned additional work.
PCB 5319L Marine Ecological Physiology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: CHM 2210, STA 2023, and PCB 4043.
Co-requisite: PCB 5319
Field techniques for quantifying physiological adaptations of marine organisms to their abiotic environment. Students will characterize marine habitats and assess feeding, metabolic, osmotic, thermal and osmoregulatory strategies used by vertebrates and invertebrates living in these habitats. Material and supply fee will be assessed. Offered concurrently with PCB 4364L; graduate students will be assigned additional work.

PCB 5344 Tropical Ecology
1-3 sh (may be repeated for up to 9.0 sh of credit)
Five week course culminating in an eight day expedition to Costa Rica to study coral reefs, mangrove forests, as well as tropical dry, rain and cloud forests. Students will attend a lecture series discussing selected topics in tropical ecology prior to the expedition. A series of slides featuring plants and animals common to the area will be shown to familiarize students with the local flora and fauna and to give them a greater appreciation for tropical ecology. Offered concurrently with PCB 4374; graduate students will be assigned additional work. Permission is required.

PCB 5445 Estuarine Ecology
4 sh (may not be repeated for credit)
Prerequisite: CHM 2045-2046, CHM 2210, PCB 4043, one upper level field course each in botany or 3120, PCB 4043, one upper level field course each in Botany and Zoology (e.g. ZOO 4254 or ZOO 4304).
Co-requisite: PCB 5445L
Physical, chemical, and geological/sedimentological characteristics of estuaries are discussed with respect to the structure and functional ecology of water column and benthic biological communities and their interactions. Physical and biogeochemical factors that influence and/or regulate the distributions and abundance of estuarine species are emphasized. Human interactions with these systems will also be discussed. Offered concurrently with PCB 4048; graduate students will be assigned additional work.

PCB 5445L Estuarine Ecology Laboratory
0 sh (may not be repeated for credit)
Co-requisite: PCB 5445
Field and laboratory techniques in estuarine ecology, accompanies the lecture component of PCB 5445. Common field and laboratory techniques in estuarine ecology will be emphasized. Offered concurrently with PCB 4048L (Estuarine Ecology Laboratory); graduate students will be assigned additional work. Material and Supply Fee will be assessed.

PCB 5446 Wetlands Ecology
4 sh (may not be repeated for credit)
Co-requisite: PCB 5446L
Ecosystem approach to the study of wetlands emphasizing the interactions between soil, plants and hydrology in forming different types of wetland systems, especially in the southeastern United States. Plant and animal adaptations to wetland environments, influences on these communities by human activities, and issues related to wetland restoration. Offered concurrently with PCB 4442; graduate students will be required to read 3 peer-reviewed papers, and present an overview of these papers to the entire class. Material and supply fee will be assessed for corresponding lab.

PCB 5446L Wetlands Ecology Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB5446
Corresponding lab for Wetlands Ecology.

PCB 5480 Quantitative Ecology
3 sh (may not be repeated for credit)
Prerequisite: PCB 4043 and STA 2023
Presents the basic tools necessary to collect data to explore the patterns and relationships of biotic communities. Emphasizes how to take raw data and derive estimates of a variety of parameters related to the ecology of individual organisms, populations and communities. Methods of estimating abundance, survival, habitat selection, species delivery and community similarity are presented in detail. An introduction to sampling design and statistics is also included. Offered concurrently with PCB 4482; graduate students will be assigned additional work.

PCB 5525 Genetic Engineering
3 sh (may not be repeated for credit)
Prerequisite: MCB 3020, PCB 3063, and BCH 3033
Principles of molecular cloning, including the methods involved in constructing, characterizing and manipulating recombinant molecules. The application of recombinant DNA technology to basic problems in agriculture, biology, genetics and medicine. Offered concurrently with PCB 4522, graduate students will be assigned additional work.

PCB 5527 Molecular Biology
4 sh (may not be repeated for credit)
Prerequisite: BCH 3033
Co-requisite: PCB 5527L
Study of the molecular level of the principles governing DNA replication, repair, RNA transcription, and protein synthesis in both prokaryotes and eukaryotes. Surveys molecular processing, and recombinant DNA technology. Offered concurrently with PCB 4524; graduate students are required to write a research paper and present it to the class. Material and supply fee will be assessed to corresponding lab. A grade of "C" or higher is required in prerequisite courses.

PCB 5527L Molecular Biology Lab
0 sh (may not be repeated for credit)
Co-requisite: PCB5527
Corresponding lab for Molecular Biology.

PCB 5675 Principles of Evolution
3 sh (may not be repeated for credit)
Prerequisite: BOT 2010 or ZOO 1010 and PCB 2131.
A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. Offered concurrently with PCB 4673; graduate students will be assigned additional work.

PCB 5727 Comparative Animal Physiology I
3 sh (may not be repeated for credit)
General and comparative animal physiology. Study of complex structures, phenomena, and concepts involved in regulation physiological processes employed by different groups of animals. Material and Supply Fee will be assessed for corresponding lab. Offered concurrently with PCB 4723; graduate students will be assigned additional work.
PCB 5727L Comparative Animal Physiology I Laboratory
1 sh (may be repeated for up to 0.0 sh of credit)
Prerequisite: PCB 5727
General and comparative animal physiology. Complex structures, phenomena, and concepts involved in regulation of a variety of physiological mechanisms. Material and Supply fee will be assessed. Offered concurrently with PCB 4723L; graduate students will be assigned additional work.

PCB 5924 Biology Seminar
1 sh (may not be repeated for credit)
Seminar topics from a diverse spectrum of current biological research will be presented by a variety of speakers from UWF, national and international academic research instructors and agencies. Offered concurrently with PCB 4922; graduate students will be assigned additional work.

PCB 6074 Experimental Design in Biology
3 sh (may not be repeated for credit)
Prerequisite: STA 4173
Covers experimental design in relation to the analysis of biological data. Topics include sources of error, variation in biological systems, replication and pseudoreplication, controls, multiplicity, sample size and randomization. The physical layout of biological experiments in the field and laboratory will be discussed in relation to basic parametric data analysis techniques.

PCB 6943 Internship in Biotechnology
3-6 sh (may be repeated for up to 6.0 sh of credit)
An internship in biotechnology or related industry. Students will work on a problem related to management, development or administration of a program in biotechnology or to research in biotechnology. Prior completion of the graduate level core courses in the MS Biology/Biotechnology Fast Track is required. Internship is mandatory for students in the non-thesis Fast Track program. A written report on the internship experience will be presented orally to a committee selected by the student’s course supervisor. Graded on a Satisfactory/Unsatisfactory basis only.

PCB 6971 Thesis
1-6 sh (may be repeated for up to 12.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

PSYCHOLOGY Courses

PSY 2012 General Psychology
3 sh (may not be repeated for credit)
A survey of methods, theories, and body of knowledge of contemporary psychology, including such topics as learning, motivation, sensation and perception, development, thinking, personality, social behavior, psychological adjustment, and methods of therapy. (General Studies Course: SS/BEH).

PSY 2023 Careers in Psychology
1 sh (may not be repeated for credit)
Prerequisite: PSY 2012
Skills required for library research, writing in the style of the American Psychological Association, and ethical and professional issues will be discussed.

PSY 2948 Service Learning Field Study I
1-3 sh (may be repeated for up to 4.0 sh of credit)
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty “customize” courses to fit a full range of services that are available in the setting. Students must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student’s faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.

PSY 3213 Research Methods in Psychological Science I
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012, STA 2023
Co-requisite: STA 2023
The first course of a two-course sequence designed to expose a student to the research methods and the behavioral statistics that are commonly employed in psychological (behavioral) research. Although the fundamental principles of scientific observation, research design, and research statistics will be discussed, special emphasis will be placed on methodology that provides a basic or descriptive understanding of human behavior. Ethical issues pertaining to both human and non-human research will also be introduced and discussed.

PSY 5035 Cognitive Neuroscience
3 sh (may not be repeated for credit)
Biological bases of mind and behavior: History and methods of cognitive neuroscience; evolutionary perspectives on cognition; neural substrates of development and motor control, attention and perception, learning and memory, language and consciousness, cerebral lateralization and specialization.

PSB 6089 Brain and Mind: Fact and Fantasy
3 sh (may not be repeated for credit)
Seminar focusing on controversial issues in psychobiology of human information processing. Topics typically covered concern the relationship between the brain and consciousness, intelligence, memory and other mental processes.

PSYCHOBIOLOGY Courses

PSB 4002 Brain, Behavior, and Experience
3 sh (may not be repeated for credit)
Prerequisite: DEP 2004, PSY 2012; and either BSC 1005 or PSB 4002
Introduction to the brain and its relationship to behavior and experience. Topics covered: structure and function of the nervous and endocrine systems, sensation/perception, emotion and motivation, thinking and consciousness, learning and memory, deficiencies of the mind. Material and supply fee will be assessed.

PSB 4731 Psychobiology of Sexual Behavior
3 sh (may not be repeated for credit)
Prerequisite: DEP 2004, PSY 2012; and either BSC 1005 or PSB 4002
Study of biological and sociocultural determinants of sexual development throughout the human life span. Special emphasis is given to sexual orientation, sexual preference, sexual variance, and purported gender differences.
PSY 3215  Research Methods in Psychological Science II  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 3213  
The second course of a two-course sequence designed to expose a student to the research methods and the behavioral statistics that are commonly employed in psychological (behavioral) research. Although the fundamental principles of scientific observation, research design, and research statistics will be discussed, special emphasis will be placed on methodology that provides a more complex or inferential understanding of human behavior. Ethical issues pertaining to both human and non-human research will also be introduced and discussed.

PSY 3680  Positive Psychology  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 2012  
The scientific study of positive experience including a review of the historical and philosophical foundations of positive psychology and of its contributions to traditional research and practice areas in psychology. Specific emphasis is on the applied positive psychology perspective of the good life, health and well-being, positive psychology at work, clinical psychology and psychotherapy, and positive development across the lifespan.

PSY 3948  Service Learning Field Study II  
1-3 sh (may be repeated for up to 4.0 sh of credit)  
Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty customize courses to fit a full range of services available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required. Graded on a Satisfactory/ Unsatisfactory basis only.

PSY 3949  Cooperative Education  
1-2 sh (may be repeated for up to 4.0 sh of credit)  
Alternating full-time or consecutive parallel terms of practical experience in the intended field. Reinforcing academic preparation; confirming educational and career goals; personal and professional development; early start in career; earnings toward self-support; improved employability. (See program description under Cooperative Education). Graded on satisfactory/unsatisfactory basis only. Permission of director of Cooperative Education is required.

PSY 4302  Psychology of Assessment  
3 sh (may not be repeated for credit)  
Fundamentals of testing and measurement of aptitude, achievement and personality. STA 2023 is recommended prior to taking this course.

PSY 4832  Sport and Exercise Psychology  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 2012  
Introduces students interested in psychology, exercise science, physical education, sports medicine, coaching, athletic training or fitness instruction, to principles of psychology as applied to sports and exercise. Topics covered include methods of performance enhancement and mental training, exercise adherence, violence in sports, effects of sports on children, team dynamics, and drug and steroid use among athletes.

PSY 5016  Conjunctive Psychology  
2 sh (may not be repeated for credit)  
A practical and integrated overview of the fundamental dynamics of human behavior and consciousness, drawing from all the world's psychologies, and emphasizing contributions not well known in Western Psychology. Topics include breathwork, nutrition, ayurveda, pranayama, chi kung, chakras, yoga, behaviors of the mind, states and levels of consciousness, self and will, and transpersonal awakening, and their applications in professional settings.

PSY 5016L  Conjunctive Psychology Laboratory  
1 sh (may not be repeated for credit)  
Co-requisite: PSY 5016  
Practical experience and skill training that parallel topics of the lecture course. Grading is based on attendance and participation, and contribution to the class.

PSY 6217  Research Design in Psychology  
3 sh (may not be repeated for credit)  
Prerequisite: STA 2023  
This course focuses on quantitative research approaches with particular attention given to the selection of procedures for obtaining empirical data that provide meaningful answers to research questions and to the relation between research design and statistical analysis. Topics include researching the literature, developing research questions, designing and evaluating empirical research, and communicating research methods and results in standard technical format (APA style). Ethical issues in the conduct of research will be addressed.

PSY 6917  Supervised Research  
1-3 sh (may be repeated for up to 12.0 sh of credit)  
Credit is earned by serving in an apprenticeship position under a faculty member and assisting with one or more research projects. Although the student may enroll in more than one supervised experience in research or teaching (see PSY 6940), a maximum of 3sh in supervised experiences will be applied toward the degree requirements. Permission is required.

PSY 6940  Supervised Teaching  
1-6 sh (may be repeated for up to 12.0 sh of credit)  
Credit is earned by serving in an apprenticeship position under a faculty member and assisting with the teaching of one or more courses. Although the student may enroll in more than one supervised experience in teaching or research (see PSY 6917), a maximum of 3sh for supervised experiences will be applied toward the degree requirements. Permission is required.

PSY 6948  Internship  
1-6 sh (may be repeated for up to 12.0 sh of credit)  
Supervised experience in community, agency, school, or business organization where student serves as full-time staff member. Student participates in full range of services available in the setting. An internship portfolio and paper are required. May enroll for more than one term-total of 6sh required for M.A. degree. Minimum of 600 clock hours required. Graded on satisfactory/unsatisfactory basis only. Permission is required.
PSY 6971 Thesis
1-6 sh (may be repeated for up to 36.0 sh of credit)
Includes research projects, theoretical treatises and case studies. May enroll for more than one term-total of 6sh required for M.A. degree. Graded on satisfactory/unsatisfactory basis only. Permission is required.

PSY 8980 Dissertation
1-6 sh (may be repeated for up to 18.0 sh of credit)
Major individual research in an area of significant psychological interest; designed specifically for candidates in the Ed D Curriculum and Instruction Program-Social Sciences/Psychology Specialization. Reflects intensive social science research produced by the student with guidance from the major professor and doctoral committee members. Admission to candidacy and permission is required. Graded on satisfactory/unsatisfactory basis only.

PSYCHOLOGY OF COUNSELING Courses

PCO 2202 Introduction to General Counseling Techniques
3 sh (may not be repeated for credit)
Develops basic skills and techniques needed for a person to be effective in the helping process and to learn about the qualities and conditions necessary for counseling.

PCO 4242 Introduction to Group Counseling
3 sh (may not be repeated for credit)
Theory, research and practice of group processes. Provides an opportunity for participation or observation of group counseling.

PCO 4310 Intervention in Addictions
3 sh (may not be repeated for credit)
Models of addictive behaviors and implications for assessment and treatment of addiction. Emphasis primarily on alcohol and drug abuse, with information on smoking and obesity included.

PCO 6204 Pre-Practicum: Techniques of Counseling and Psychotherapy
3 sh (may not be repeated for credit)
Prerequisite: CLP 5166, PCO 6216
Co-requisite: PCO 6206C, PCO 6246
Experimentally-based an emphasis on counseling techniques and psychotherapeutic techniques and behavior, including the identification and acquisition of broad communication and relationship-building skills, particular counseling techniques, and the development of a counseling response repertoire. Students also develop an understanding of the interaction between theory and technique as it applies to clinical practice, as well as develop their case conceptualization and case management skills. Simulated supervised counseling experience is provided through the use of micro-counseling and role-playing. Provides the opportunity to practice actual counseling skills and techniques prior to the practicum and internship experiences. The practicum placement process is included.

PCO 6206C Ethical and Professional Issues in Counseling
3 sh (may not be repeated for credit)
In depth review of critical issues in the practice of mental health counseling, including the professional organizations and ethical standards for psychologists and counselors, legal and professional requirements for practicing in the profession, and the rights of clients. Topics include standards of preparation, certifications and licensing, and the role identity and professional obligations of mental health counselors. Relevant issues for school counselors will be addressed.

PCO 6216 Theories of Individual Counseling
3 sh (may not be repeated for credit)
Prerequisite: (Either CLP 3144 or PPE 4003) or by permission of the instructor or an undergraduate degree in Psychology
Overview of major contemporary theoretical approaches to individual counseling and psychotherapy.

PCO 6246 Theories of Group Counseling
3 sh (may not be repeated for credit)
Prerequisite: PCO 2202 or PCO 6216
Overview of major contemporary theoretical approaches to group counseling and psychotherapy.

PCO 6278 Multicultural Counseling
3 sh (may not be repeated for credit)
Addresses the similarities and differences among various culturally diverse groups, and informs counselors of the characteristics and processes necessary to become a culturally skilled counselor.

PCO 6312 Substance Abuse Counseling
3 sh (may not be repeated for credit)
Prerequisite: CLP 5166
Examines the misuse of alcohol and other drugs, and how they affect biological, psychological, social and familial spheres of functioning. Designed to convey to counselors-in-training and community professionals the most essential information about licit and illicit drugs, provide an overview of the prominent theoretical models of addiction, and explore various clinical methods for assessing and treating substance use disorders. Courses in Theories of Individual, Group, or Family Counseling are recommended.

PCO 6315 Assessment in Counseling
3 sh (may not be repeated for credit)
Prerequisite: CLP 5166
Practical training in the process of clinical assessment in mental health counseling. Includes an introduction to the science of clinical assessment with a focus on the use of assessment techniques such as interviewing and psychological testing, in a professionally and ethically responsible manner. Includes an experiential component in which the student will develop beginning skills in the use of clinical assessment techniques, under supervision. Permission is required. Material and Supply Fee will be assessed.

PCO 6946 Practicum in Counseling
3 sh (may not be repeated for credit)
Prerequisite: CLP 5166, PCO 6206C, PCO 6216
Placement of the student in a local mental health agency for 8-10 hours each week. The emphasis of this experience is on development of clinical skills in interviewing, assessment, and counseling of individuals, groups, and families. Students will complete a minimum of 150 hours of field placement of which at least 40 will be in direct client contact. There is a weekly class meeting and individual supervision with the instructor in addition to the clinical activities and supervision at the practicum site. Permission is required based on requirements stated in the Counseling Track Policy Manual.
PCO 6948 Internship in Counseling
1-6 sh (may be repeated for up to 9.0 sh of credit)
The student functions as a staff member and participates in the full
range of clinical and professional activities of the internship site under
supervision. A weekly university based seminar will accompany
field placement. Students in the 60sh M.A. Licensure Option must
register for more than one term (total of 6sh required) and will
complete a minimum of 850 hours of field placement, of which at
least 240 will be in direct client contact. An internship paper and
portfolio are required. Students in the 45sh M.A. degree program must
complete 3sh with at least 300 hours of field placement. Graded on a
satisfactory/unsatisfactory basis only. Permission is required based on
requirements stated in the Counseling Track Policy Manual.

PUBLIC ADMINISTRATION Courses

PAD 3003 Public Administration in American Society
3 sh (may not be repeated for credit)
Effective administration of government agencies, nonprofit
organizations and other civil institutions is necessary if American
democracy is to thrive. Addresses that challenge by examining the
administration of governmental and nonprofit organizations using both
traditional concepts (e.g. administrative theory, civil service systems,
human relations movement) and more contemporary concepts (the
new public administration, reinventing government).

PAD 4949 Cooperative Education
0 sh (may not be repeated for credit)
Alternating full-time or consecutive parallel terms of practical
experience in the intended field. Reinforcing academic preparation;
confirming educational and career goals; personal and professional
development; early start in career; earnings toward self-support;
improved employability. (See program description under Cooperative
Education). Graded on a satisfactory/unsatisfactory basis only. Master
level student and permission of director of Cooperative Education is
required.

PAD 5107 Modern Public Organization Theory
3 sh (may not be repeated for credit)
Analysis of contemporary theories of organizations applicable to
individual, group and system levels. Public organizations treated
generically with examples and applications primarily drawn from the
public and nonprofit sectors. May not be taken for credit by students
having credit for MAN 5204 or SOP 5617.

PAD 5146 The Nonprofit Profession
3 sh (may not be repeated for credit)
Overview of the field of nonprofit organizations from a management
perspective. Human resource management (including working with
volunteers and professionals), public relations, board relations, daily
operations, financial matters, and ethics.

PAD 5386 Leadership, Community, and Change
3 sh (may not be repeated for credit)
An action research based course that imparts the knowledge and
competencies required for the promotion of community change based
upon techniques for diagnosis of community needs, evaluation of
related community resources, planning intervention based on needs
and resources, and implementation and evaluation of program results,
all in the context of best leadership practices.

PAD 5434 Leadership
3 sh (may not be repeated for credit)
Leadership styles and techniques of people in all levels of government-
executive, legislative and administrative and in the community in
general. Will attempt to help students assess their own strengths and
weaknesses as leaders and determine a strategy for that development.

PAD 5605 Administrative Law
3 sh (may not be repeated for credit)
Explores the legal foundations and administration of public service
administrative law. Focuses on the development of the American
administrative state; legislative and judicial controls over agency
discretionary power; the limits of judicial review; the legality of
administrative action; agency rule-making and administrative discretion
of public managers; and the liability of public managers for unlawful
acts.

PAD 5635 Government Contract Law
3 sh (may not be repeated for credit)
Government contract law and ethics. Major provisions of the federal
Procurement Integrity Act and general federal acquisition contract
principles. Authority of contracting officers, delegation of contracting
officer authority, and impact of delegation. Procedures for formation
of government contracts and contract protest, government property
fundamentals, government contract funding and fiscal matters, labor,
social, economic, environmental concerns and fraud. Legal aspects
of inspection, acceptance, delivery, warranties, changes, terminations
and contract disputes.

PAD 5855 Acquisition Administration
3 sh (may not be repeated for credit)
Working knowledge of government contracting policies and procedures
needed to evaluate and analyze methods of solicitation and awarding
of federal government contracts in the most advantageous manner for
the government client.

PAD 5862 Government Cost and Pricing Analysis
3 sh (may not be repeated for credit)
Government Cost and Pricing policies and procedures needed to
prepare or evaluate and analyze cost proposals and costs incurred
in Federal Government Contracts. Components of government cost
and price analysis in federal contracting as defined by the Defense
Contracting Auditing Agency (DCAA). Contracts from the contractor's
and the federal Contracting Officer's perspective. Indirect costs and
cost allocation bases. Methods utilized by the federal government
to establish estimates of fair and competitive prices for goods and
services.

PAD 5863 Defense Acquisition Mission Support Contracting
3 sh (may not be repeated for credit)
Policies, procedures, and methods utilized in planning or evaluating
contracting actions for Department of Defense contracts from both
contractor's and the federal Contracting Officer's views. Plan and
evaluate contracting actions from the original identification of need
to the final contract close out procedures. Sound business decisions
when contemplating the purchase of goods and services.
PAD 6041  Public Service Ethics
3 sh (may not be repeated for credit)
Focuses on ethical dilemmas and concerns faced by public managers arising from their exercise of administrative discretionary power. Explores contemporary public service ethical dilemmas by examining teleological and deontological schools of thought applied to case studies and ethics literature. Provides maps and tools to make moral experiences more explicit and consistent.

PAD 6053  Public Administration Professional
3 sh (may not be repeated for credit)
Scope and nature of field of public administration; development of public administration; politics of bureaucracy; dynamics of policy making and implementation.

PAD 6137  Project Leadership and Administration
3 sh (may not be repeated for credit)
Conceptualizing and developing project plans incorporating realistic problems to solve, resources, execution strategies, criteria for successful completion, and assessment strategies. Regulation mechanisms such as appropriate goal setting, managing timelines, developing flexible back-up plans, identification of individual and group processes. Focuses on the need for team skills, the responsibility of team members, managing conflict, problem solving, team member assessment. Cases will be examined, multiple projects planned individually and in teams, and various planning models will be examined. Pert and Gantt charting will be covered.

PAD 6227  Public Budgeting
3 sh (may not be repeated for credit)
Detailed study of various budgeting systems and the political processes and environment that impact upon them. Extensive practical work in budget preparation.

PAD 6275  Political Economy of Public Administration
3 sh (may not be repeated for credit)
Consideration of the American political economy including: markets, politics and democracy; market failure and bureaucratic failure; relationships between government and business; public choice theory; privatization and contracting out.

PAD 6335  Strategic Management for Public and Nonprofit Organizations
3 sh (may not be repeated for credit)
An examination of the rationale and methods of strategic management applied to the planning processes of public and nonprofit organizations.

PAD 6417  Public Service Human Resource Management
3 sh (may not be repeated for credit)
An examination of the theories, practices and issues central to contemporary human resource management in public service and nonprofit organizations. This course focuses on leadership issues in public service HRM.

PAD 6425  Public Service Conflict Management and Resolution
3 sh (may not be repeated for credit)
Focuses on managing public disputes and emphasizes the significance of praxis. Explores constructive alternative dispute resolution (ADR) processes and procedures to legalistic, adversarial methods of dispute resolution in the public and nonprofit sectors. Knowledge and skills developed are those needed to analyze complex conflict and dispute situations, shape appropriate processes to involve the right parties, constructively negotiate settlements, select mediators and facilitators, and design dispute resolution programs. Emphasizes conflict management and resolution leadership.

PAD 6503  Public Administration Research Methods
3 sh (may not be repeated for credit)
Basic ideas of scientific research and how it is used in public administration. Prepares the student as both a consumer and a potential producer of research.

PAD 6864  Intermediate Contracting and Contract Administration
3 sh (may not be repeated for credit)
Government contracting and administration at the intermediate level. Intermediate level aspects of the federal acquisition process ranging from initiating the acquisition process through protests. Intermediate federal contract administration from initiating contract administration through claims.

PAD 6946  Administration Capstone
3 sh (may not be repeated for credit)
Prerequisite: Completion of 21 semester hours of program coursework. Culminating academic endeavor of students who are nearing completion of their MSA (PA/Leadership/ACA specialization) program. The course involves content topics and an end of course action research project that provides students with the opportunity to explore a problem or issue of particular personal or applied research under the direction of a faculty member. The project should demonstrate the student’s ability to synthesize and apply the knowledge and skills acquired in his/her academic program to real-world issues and problems. The final project should affirm students’ ability to think critically and creatively, to solve practical problems, to make reasoned and ethical decisions, and to communicate effectively. The capstone course serves as documentation of the student’s personal mastery of professional.

PAD 8980  Dissertation
1-6 sh (may be repeated for up to 18.0 sh of credit)
Major individual research in an area of significant public administration interest; designed specifically for candidates in the EDD Curriculum and Instruction program-Administrative Studies/Public Administration specialization. Reflects intensive Social Science/Public Administration research produced by the student with guidance from the major professor and doctoral committee members. Admission to candidacy and permission is required. Graded on a satisfactory/unsatisfactory basis only.
**PUBLIC HEALTH CONCENTRATION**

**Courses**

**PHC 4101  Public Health**
3 sh (may not be repeated for credit)

Course teaches basic terms and definitions of public health and the factors leading to disease causation as well as disease prevention. Students study programs and policies that effect healthcare in a positive manner and apply basic principles of scientific reasoning with the use of available data and information. Topics introduced serve as a basis for enhancing the participants' ability to critically evaluate current trends in healthcare and develop programs and policies in an analytical manner.

**PHC 4109  Scientific Basis of Public Health**
3 sh (may not be repeated for credit)

An overview of scientific principles of public health and their application to public health problems with significant state, national, and international impact. It is recommended that students have at least one semester of a college science such as biology or a comparable course before enrolling. Offered concurrently with PHC 5123 (Scientific Basis of Public Health); graduate students will be assigned additional work.

**PHC 4140  Public Health Planning and Analysis**
3 sh (may not be repeated for credit)

This course introduces students to the history of public health, the structure of the public health system and the various sectors of public health practice, in order to gain an understanding of the complex factors that determine the health status of a community. Lectures will draw from the public health field, but also related disciplines such as behavioral sciences, healthcare management, medical ethics, and social work. National, state, and local level practices will be analyzed, as well as the role that law and government play in the public’s health.

The course is also intended to stimulate student interest in other public health courses and program offerings. Graduate students will be assigned additional work.

**PHC 4340  Fundamentals of Industrial Hygiene**
3 sh (may not be repeated for credit)

An online-multidisciplinary approach to the study of industrial hygiene intended for a wide range of health related professionals. Recognition, evaluation and control of environmental or occupational hazards. Insight into the management of occupational health hazards and diseases that can be leveraged in a professional practice. Offered concurrently with PHC 5356; graduate students will be assigned additional work.

**PHC 4341  Fundamentals of Occupational Safety and Health**
3 sh (may not be repeated for credit)

Concerns worker protection and serves as a prerequisite for advanced study of hazards and work settings. Development and management of occupational safety and health programs, resolution of safety and health issues, and improvement of safety performance. Introduction to safety and health fields, overview of loss control information and analysis, specific safety and health programs, and program implementation and maintenance. Offered concurrently with PHC 5355; graduate students will be assigned additional work.

**PHC 4363  Occupational Safety and Health in the Health Care Environment**
3 sh (may not be repeated for credit)

A multidisciplinary approach to the study of occupational safety and health in health care with researcher and practitioner perspectives. Programs and applications to health care. Common worker safety hazards and controls are reviewed and safety improvement strategies are presented. Teaches recognition of safety and hazards in health care, relevant safety and health standards requirements, and identification and implementation of safety improvement initiatives. Offered concurrently with PHC 5351; graduate students will be assigned additional work.

**PHC 5050  Biostatistics for Public Health**
3 sh (may not be repeated for credit)

Prerequisite: STA 2023

This is a second course in statistics for students in the Public Health and Allied Health. The topics include descriptive statistics, probability, standard probability distributions, sampling distributions, point and confidence interval estimation, hypothesis testing, power and sample size estimation, one and two-sample parametric and non-parametric methods for analyzing continuous or discrete data, simple linear regression, logistic regression and other multivariate methods. The SAS statistical software package will be taught in this class for data management statistical analysis and power calculations. This is a fully online course with its own office hours and discussions. STA 2023 or equivalent is a prerequisite for this course (see UWF catalog). It is important to have a good understanding of inferential statistics, such as confidence intervals and test of hypotheses (for two samples).

**PHC 5102  Public Health**
3 sh (may not be repeated for credit)

This course introduces students to the history of public health, the structure of the public health system and the various sectors of public health practice, in order to gain an understanding of the complex factors that determine the health status of a community. Lectures will draw from the public health field, but also related disciplines such as behavioral sciences, healthcare management, medical ethics, and social work. National, state and local level practices will be analyzed, as well as the role that law and government play in the public’s health.

The course is also intended to stimulate student interest in other public health courses and program offerings.

**PHC 5108  Public Health Planning and Analysis**
3 sh (may not be repeated for credit)

An introduction to geographic information systems (GIS) in healthcare and public health data analysis in the health sciences. This online course covers basic GIS skills through homework and case studies. It is a required course in the proposed Public Health major in the Bachelor of Science in Health Sciences degree program and the undergraduate Medical Informatic Certificate Program.

**PHC 5123  Scientific Basis of Public Health**
3 sh (may not be repeated for credit)

An overview of scientific principles of public health and their application to public health problems with significant state, national and international impact. It is recommended that students have at least one semester of a college science such as biology or a comparable course before enrolling. Offered concurrently with PHC 4109 (Scientific Basis of Public Health); graduate students will be assigned additional work.
PHC 5351  Occupational Safety and Health in the Health Care Environment  
3 sh (may not be repeated for credit)  
A multidisciplinary approach to the study of occupational safety and health in health care with researcher and practitioner perspectives. Programs and applications to health care. Common worker safety hazards and controls are reviewed and safety improvement strategies are presented. Teaches recognition of safety and hazards in healthcare, relevant safety and health standards requirements, and identification and implementation of safety improvement initiatives. Offered concurrently with PHC 4363; graduate students will be assigned additional work.

PHC 5355  Fundamentals of Occupational Safety and Health  
3 sh (may not be repeated for credit)  
Concerns worker protection and serves as a prerequisite for advanced study of hazards and work settings. Development and management of occupational safety and health programs, resolution of safety and health issues, and improvement of safety performance. Introduction to safety and health fields, overview of loss control information and analysis, specific safety and health programs, and program implementation and maintenance. Offered concurrently with PHC 4341; graduate students will be assigned additional work.

PHC 5356  Fundamentals of Industrial Hygiene  
3 sh (may not be repeated for credit)  
Prerequisite: At least one undergraduate or graduate course in a health related field is preferred, but not required.  
An on-line multidisciplinary approach to the study of industrial hygiene intended for a wide range of health related professionals. Recognition, evaluation and control of environmental or occupational hazards. Insight into the management of occupational health hazards and diseases that can be leveraged in a professional practice. Offered concurrently with PHC 4340; graduate students will be assigned additional work.

PHC 5410  Social and Behavioral Sciences in Public Health  
3 sh (may not be repeated for credit)  
Covers behavioral and social science contributions to science disciplines, including psychology, sociology, and anthropology, will be reviewed and integrated with public health objectives and outcomes. Using a biopsychosocial framework, the role of social, psychological, and behavioral factors in health and illness are emphasized.

PHC 6000  Epidemiology for Public Health Professionals  
3 sh (may not be repeated for credit)  
To enable the student to understand epidemiology as a discipline and how epidemiology, as the basic science of public health, provides information for disease prevention and treatment.

PHC 6005  Disease Transmission in the Urban Environment  
3 sh (may not be repeated for credit)  
Focuses on disease transmission in the urban community and how interaction between human behaviors and environmental changes contribute to the spread of disease in urban areas in developed and developing countries.

PHC 6015  Epidemiological Study Design and Statistical Methods  
3 sh (may not be repeated for credit)  
Experimental, quasi-experimental, observational, survey, surveillance, and qualitative study designs will be reviewed. Methods for reliable and valid data collection and analysis will be covered. An overview of statistical methods for the analysis of public health data will be provided.

PHC 6150  Public Health Policy  
3 sh (may not be repeated for credit)  
The course explores general principles of planning, management, and evaluation of health care programs, policies and interventions implemented by public and private organization. The basic conceptual frameworks underlying healthcare decision making and assessment of the financing, organization, outcomes and delivery of healthcare services are presented.

PHC 6194  GIS Applications in Public Health  
3 sh (may not be repeated for credit)  
An online course presenting an overview of geographic information systems for the analysis of public health data. Course imbeds learning how to use GIS software in the context of carrying out projects for visualizing and analyzing health-related data. Part of the Master of Public Health degree program.

PHC 6196  Computer Applications in Public Health  
3 sh (may not be repeated for credit)  
Provides an overview of various computer applications in public health and introduces modern software systems for analyzing health-related data. Fundamentals of data collection, statistical analysis, interpretation, and reporting results are covered. Technology-based implications for legal and ethical issues are also addressed (including documentation, security, and regulatory requirements). Working knowledge of how to use personal computers, including knowledge of word-processing, spreadsheet packages and Internet searching; Training in a health care-related field at the Associate’s or Bachelor’s level is required. Material and Supply Fee will be assessed.

PHC 6251  Disease Surveillance and Monitoring  
3 sh (may not be repeated for credit)  
Disease surveillance and monitoring is the systematic collection, analysis, interpretation, and dissemination of data for use in prioritizing, planning, implementing, and evaluating health programs, activities and practices in the United States as well as in other developed and developing countries. Will focus on these fundamental processes and procedures which are utilized to investigate and track infectious and communicable diseases as well as non-infectious chronic diseases.

PHC 6300  Environmental Health  
3 sh (may not be repeated for credit)  
Students will be given an overview of the chemical, physical, and biological hazards present in our living and working environment and their effects on human health.

PHC 6309  Environmental Health in the Urban Community  
3 sh (may not be repeated for credit)  
Today, a majority of people live in cities and by 2050 over 75% of the world’s population will be urban dwellers. Will provide an overview of the major environmental health issues facing urban areas and their inhabitants. Covers the physical, chemical, and biological hazards present in urban areas and their effects on human health.
PHC 6310  Environmental Toxicology
3 sh (may not be repeated for credit)
Environmental toxicology is the study of the effects of toxic substances on health and the environment. The student will recognize that human survival depends upon the well-being of other species and upon the availability of clean air, water, and food; and anthropogenic, as well as naturally occurring, chemicals can have detrimental effects on living organisms and ecological processes. Concepts to be covered include occurrence of toxicants, damage process and action of toxicants, factors affecting xenobiotic action, defense responses to toxicants, and others. Will also examine chemicals of environmental interest and how they are tested and regulated. Case studies and special topics will be examined.

PHC 6347  Aerospace and Occupational Toxicology
3 sh (may not be repeated for credit)
Part of the MPH program for military Residents in Aerospace Medicine.

PHC 6360  Accident Investigation and Risk Management
3 sh (may not be repeated for credit)
Accident Investigation & Risk Management includes an aerospace safety overview, biomechanics of impact, restraint systems, crew protection, and crew escape concepts, aviation and space vehicle crashworthiness, aerospace injury mechanisms, conduct of an accident investigation, forensic concepts, legal issues, and promoting prevention strategies to avoid future accidents.

PHC 6946  Internship in Public Health
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: Successful completion of all 5 MPH core courses.
An internship in a public health agency or setting. Under supervision by an adjunct or full-time faculty member teaching in the UWF MPH program and an approved preceptor, students will work on a problem related to management, development or administration of a program in public health or related to research in public health. A student may only request a waiver for up to 3 hours of the internship credit. A written report on the internship experience is required and the report must be presented before a committee of MPH faculty Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.

PUBLIC POLICY Courses

PUP 4004  Public Policy
3 sh (may not be repeated for credit)
Study of how public policy is made, especially at the national level. Focus is on current issues and events including the role of the President, Congress, interest groups, bureaucracy and the public. Extensive use of current news sources in the print, television, and internet media.

PUP 4044  Analytic Techniques for Public Policy
3 sh (may not be repeated for credit)
Practical orientation to public policy analysis. The role of the policy analyst in the context of the American public policy process and its institutional framework. Focus upon actual techniques required to perform policy analysis. Different policy areas are utilized to demonstrate the application of techniques. Offered concurrently with PUP 5045; graduate students will be assigned additional work.

PUP 5045  Analytic Techniques for Public Policy Analysis
3 sh (may not be repeated for credit)
The history of natural resource and environmental policy in the United States and the institutions and processes of American natural resource and environmental policy making. Addresses the ongoing transformations in these broader institutions and processes and considers their linkage to the formulation of public policy as it relates distinctly to natural resources and the natural environment.

PUP 4244  Natural Resource Policy
3 sh (may not be repeated for credit)
The history of natural resource and environmental policy in the United States and the institutions and processes of American natural resource and environmental policy making. Addresses the ongoing transformations in these broader institutions and processes and considers their linkage to the formulation of public policy as it relates distinctly to natural resources and the natural environment.

PUBLIC RELATIONS Courses

PUR 3000  Principles of Public Relations
3 sh (may not be repeated for credit)
Increases understanding of the theory and practice of public relations, functions in organizations, and role in society. Is the foundation course for all other courses in public relations.

PUR 3100  Writing for Public Relations
3 sh (may not be repeated for credit)
Prerequisite: JOU 2100
Develops professional-level writing skills expected of beginning public relations practitioners. Students practice writing for different audiences and media, such as preparing memos, letters, new releases, crisis communication plans, features, media kits, speeches and newsletters.

PUR 4203  Public Relations Law and Ethics
3 sh (may not be repeated for credit)
Prerequisite: PUR 3000
The code of ethics and practice in public relations along with an analysis of ethical issues and trends. Specific legal issues such as privacy, defamation, copyright, and new technology will be covered.

PUR 4400  Crisis Public Relations
3 sh (may not be repeated for credit)
Prerequisite: PUR 3000
Examines crisis public relations planning, preparation, and execution. Focus is on assessment of risk, types of crises, role of and interaction with the media and other publics. Cases are examined to apply what is learned to examples of actual organizational crises. An "ask-the-expert" discussion series presents crisis communication as it relates to corporate, not-for-profit, education, and national-level government public relations.
PUR 4407  Managing Media Relations  
3 sh (may not be repeated for credit)  
Prerequisite: PUR 3000  
The ability to communicate effectively with the media on behalf of an organization is an essential skill for public relations professionals. Techniques and guidelines are provided for the role of organizational media relations manager with emphasis on the spokesperson. An overview of media needs, including communication planning, tips and techniques, and common pitfalls of organizational media relations programs. A considerable portion of the course requires students to participate as spokespersons in various scenario-based, video-taped exercises.

PUR 4600  Communication Management  
3 sh (may not be repeated for credit)  
Prerequisite: PUR 3100  
Capstone course for public relations and advertising majors. Emphasis on case study analysis and the management of integrated communication programs. Senior status required.

PUR 4800  Communication Research  
3 sh (may not be repeated for credit)  
Prerequisite: STA 2023, PUR 3000 (Public Relations majors only);  
Primary and secondary research methods useful to qualitative and quantitative communication research, applied communication inquiry, and integrated public relations/advertising communication campaigns. Organizational Communication majors are not required to fulfill the prerequisites.

PUR 4801  Public Relations Campaigns  
3 sh (may not be repeated for credit)  
Prerequisite: PUR 3000, PUR 3100  
A capstone course designed for graduating seniors, focusing on applying communication and public relations research and theory for a real client. Provides a thorough experience in conducting public relations and integrated communications campaigns and in preparing communication materials. Working in teams, students prepare and conduct the research, planning, implementation and evaluation of an actual campaign for a client. An advanced course requiring full understanding of public relations theory, writing, techniques and research methods. Permission is required.

PUR 4930  Current Issues and Trends in Public Relations  
3 sh (may not be repeated for credit)  
Prerequisite: PUR 3000, PUR 3100  
Focuses on a range of current issues facing the public relations profession from a theoretical and practical perspective. Exploration of selected topics such as emerging trends in the use of technology, diversity and multiculturalism, increased use of social media, and environmental issues impacting the organization. Senior status within the PR major required.

PUR 6408  Emerging Topics in Public Affairs  
1.5 sh (may not be repeated for credit)  
Examines the complex communication relationships between and among businesses, nonprofit organizations, government agencies, and the media. Focuses on the strategic communication applications in each of these areas.

**QUANTITATIVE METHODS IN BUSINESS Courses**

QMB 6305  Quantitative Methods for Business  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2233 and STA 2205  
QMB 6305 is a prerequisite for MAR 6815, ECP 6705 and MAN 6511. Provides students with quantitative skills that are required to make business decisions. These skills involve using statistical, forecasting and estimation techniques. Students are expected to use the subject matter for problem sets and exams.

**RADIO/TELEVISION Courses**

RTV 3200  Television Production  
3 sh (may not be repeated for credit)  
Studio operations and equipment; theoretical and technical aspects of television production.

RTV 3210  Radio Production  
3 sh (may not be repeated for credit)  
Introduction to the tools and techniques of audio production with emphasis on the practical application of theoretical concepts.

RTV 3301  Broadcast Journalism  
3 sh (may not be repeated for credit)  
Principles and techniques of radio and television news operation. Credit.

RTV 3320  Electronic Field Production  
3 sh (may not be repeated for credit)  
Prerequisite: RTV 3200  
Principles and techniques of basic electronic field production for video, film, CD-ROM, and the Internet.

RTV 3400  History of Television  
3 sh (may be repeated for up to 0.0 sh of credit)  
Examines the entire television industry from its inception to present day and its social, economic and financial ramifications on societies, especially their inter-relations. The course will also review, compare and contrast both the domestic and international television industries with regard to technical applications and advances, programming, production, and developmental theory and where the industry may be headed.

RTV 3700  Broadcast Management and Regulation  
3 sh (may not be repeated for credit)  
Management issues in the broadcast industry and governmental regulations that apply to that industry.

RTV 3942  Practicum: Television News  
3 sh (may not be repeated for credit)  
Prerequisite: RTV 3200, RTV 3320, JOU 2100  
Experience in production of a weekly television news program telecast to the local community.
RTV 4221 Advanced Television Production
3 sh (may not be repeated for credit)
Prerequisite: RTV 3200, RTV 3320
Applies skills from basic television production and electronic field production in non-news production formats for broadcast on WUWF-TV Channel 4. Production formats include, but are not limited to: interview programs, musical productions, remote event coverage, dramatic anthology, all in either live or taped settings. Will be structured as an actual job. Students will participate in every production setting over the course of a semester in every capacity.

RTV 4323 Documentary Television Practicum
3 sh (may not be repeated for credit)
Prerequisite: RTV 3200, RTV 3320
Introduces, defines, and exposes the student through hands-on approach to documentary style television productions by exploring the six foundational styles: Poetic, Expository, Observational, Participatory, Reflexive, and Performative.

READING EDUCATION Courses

RED 3310 Literacy Instruction for the Intermediate Learner
3 sh (may not be repeated for credit)
Materials and methods for teaching basic reading and related study skills; emphasis on teaching mastery of decoding skills, conducting guided reading activities, utilizing a wide variety of reading materials in the classroom and relating basic reading skills to content area instruction; includes observation/participation in school settings.

RED 3324 Reading/ESOL Methods and Instruction
3 sh (may not be repeated for credit)
Theory and methods for teaching reading at the middle and secondary school level; emphasis on strategies for vocabulary and comprehension, evaluating student progress in reading and integrating reading and study skills into content area instruction across the middle and secondary school curriculum.

RED 4542C Assessment and Differentiated Instruction in Reading
3 sh (may not be repeated for credit)
Prerequisite: LAE 3314 and RED 3310
Prepares the pre-service teacher in the area of individualized reading and language arts assessment. Individualizing instruction in the areas of language arts (speaking, listening, reading, and written composition) are major components.

RED 5047 Florida Online Reading Professional Development
3 sh (may not be repeated for credit)
Designed to deliver current, relevant, scientifically-based, and classroom-based information in reading to pre K-12 teachers. Also designed with teachers' and students' needs in mind.

RED 5515 Classroom Reading Assessments
3 sh (may not be repeated for credit)
Prerequisite: RED 6116, RED 6060 for reading education majors, or RED 5047 for Reading Endorsement Students
An exploration into the theories and appropriate assessment practices by classroom teachers.

RED 5047 Florida Online Reading Professional Development
3 sh (may not be repeated for credit)
Designed to deliver current, relevant, scientifically-based, and classroom-based information in reading to pre K-12 teachers. Also designed with teachers' and students' needs in mind.

RED 5657 Foundations of Reading Theory and Language Cognition
3 sh (may not be repeated for credit)
Provides the student with substantive knowledge of reading theory and language structure and function. Addresses the theoretical foundations for each of the five major components of the reading process. Permission is required.

RED 6060 Foundations of Middle and Secondary Literacy
3 sh (may not be repeated for credit)
Emphasizes reading theory and instruction in the middle and secondary grades based on research and classroom practice. Students will examine how particular theories of literacy impact the instructional practices used when teaching reading and writing.

RED 6116 Foundations of Early Literacy
3 sh (may not be repeated for credit)
Emphasizes reading theory and instruction for early and beginning literacy. Students will examine how particular theories of literacy impact instructional practices used when teaching reading and writing in the Pre K - 5 classroom.

RED 6161 Reading Across the Curriculum
3 sh (may not be repeated for credit)
Prerequisite: RED 6060
Features techniques and activities for assessing needs and teaching comprehension, vocabulary, and study skills in content areas. Integrates theory with practice and is designed for teachers of content area subjects and reading teachers. Prepares teachers to make instructional decisions based on sound theory, reason, applied knowledge and learner needs.

RED 6240 Differentiating Instruction
3 sh (may not be repeated for credit)
Prerequisite: RED 5515
Explores differentiating instruction to meet the needs of all learners and teaches how to prevent or remediate reading difficulties. The focus will be on the interpretation of reading assessment and the implementation of research based instructional practices.

RED 6546 Identifying and Preventing Reading Difficulties
3 sh (may not be repeated for credit)
Prerequisite: EDF 6460
Study and clinical experience to develop competence in determining causes and degrees of reading disabilities, recommending specific corrective or remedial instruction to meet specific needs and preparing case studies.

RED 6658 Foundations and Applications of Differentiated Instruction
3 sh (may not be repeated for credit)
Issues related to differentiated reading instruction. Discusses knowledge and skills concerning differentiated instructional theory, classroom applications, and evaluation techniques used in differentiated instruction. This course meets the Florida Reading Endorsement criteria for competencies 4 and 5.

RED 6747 Research and Trends in Reading
3 sh (may not be repeated for credit)
Review of significant research in reading, introduction to techniques and critical analysis of reading research, review and comparison of trends in development of materials, approaches and reading programs.
REL 3145 Women and Religion
3 sh (may not be repeated for credit)

An examination of the complex relationships that exist between women and religion. The roles and status of women in Indigenous Traditions, Hinduism, Buddhism, Judaism, Christianity, and Islam with special attention paid to fundamentalist forms of religion. The methodology is both comparative and cross-cultural. An important feminist value is to privilege the "experiences of others." To that end, we will hear the voices of women themselves. Beginning with the feminist challenge to male, disembodied, and immutable images of the divine, we will discover how religion both limits and empowers women. Meets Multicultural Requirement. Gordon Rule course (Writing).

REL 3158 Religious Experience
3 sh (may not be repeated for credit)

Religious experiences and phenomena from the standpoint of particular approaches in psychology and religion. Such topics as human suffering, wholeness, and mystical awareness will be discussed using the thought of Becker, Keen, Freud and others. (Gordon Rule Course: Wrtg).

REL 3213 Studies in Hebrew Scriptures/Old Testament
3 sh (may not be repeated for credit)

Analysis of literature of ancient Israel, interrelation of faith and history, evolution of ethical monotheism from primitive beginnings to oracles of prophets. (Gordon Rule Course: Wrtg).

REL 3243 Studies in the New Testament
3 sh (may not be repeated for credit)

Exegetical study of literature of the early Christian community with emphasis on life and teaching of Jesus and letters of Paul from variety of theological perspectives. (Gordon Rule Course: Wrtg).

REL 3310 Philosophies of the East
3 sh (may not be repeated for credit)


REL 3948 Service Learning Field Study II
1-3 sh (may be repeated for up to 4.0 sh of credit)

Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.

REL 4420 Contemporary Theology
3 sh (may not be repeated for credit)

Types of theology: fundamentalism, liberalism and neo-orthodoxy. Current trends: religious atheism (Nietzsche, Altizer), secular theology (Bonhoeffer, Cox), process theology (Whitehead, Chardin), existential theology (Tillich, Bultmann), personalism (Bertocci, DeWolf), liberation theology (Gutierrez, Boff).

REL 4441 Current Religious Issues
3 sh (may not be repeated for credit)

Significant personal and social concerns viewed from religious perspectives: race relations, medical practices, sexuality, war and terrorism, ecological crisis and non-Western religions.

REL 4493 Science, Religion, and Nature
3 sh (may not be repeated for credit)

Explores Eastern and Western religious conceptions of the natural world, and relates them to scientific ways of knowing. Includes a survey of major scientific discoveries and theories that both challenge and inform religious belief, including cosmology, evolution, and global change. Includes an overview of ecumenical dimensions of Eastern and Western spiritual experience and expression. Emphasis is placed on integrating and harmonizing scientific and religious understandings to develop a meaningful, contemporary worldview.

REL 4592 Development of Christian Thought
3 sh (may not be repeated for credit)

Beginning with the early Christian communities in Rome and Jerusalem, the course explores the development of the Christian faith and thought with an emphasis on the relationship between philosophy and theology. The impact of cultural and social-political changes over the centuries and how they affected life in the Christian communities are examined. Meets Multicultural Requirement.
SCIENCE EDUCATION Courses

SCE 4310  Teaching Science in the Elementary School  
3 sh (may not be repeated for credit)  
Processes of science requisite to teaching elementary school science; emphasis upon structure and objectives of school science programs, methods of instruction assessment, and experimental programs.

SCE 4320  Teaching Science in the Middle and Secondary Schools  
3 sh (may not be repeated for credit)  
Methodology requisite to the effective teaching of science at the middle school level; emphasis on methods and objectives of the middle school science program, use of lab experiences with middle school students, computer strategies and software evaluation, evaluating student progress, current research in science education, and practice teaching experiences; includes participation in school setting. Admitted to Teacher Education and permission is required.

SCE 4362  Special Methods in Teaching Secondary and Junior High School Science  
3 sh (may not be repeated for credit)  
Curriculum skills, methods, and philosophy of science teaching. Lecture, discussion, and field experience. Assessment of science competency in area of specialization. Meets Florida state requirements for Special Methods in Science. Twenty four semester hours of science courses are needed prior to taking this course. Permission is required.

SCE 5445  Physical Science in Motion: Classroom Applications  
3 sh (may not be repeated for credit)  
Participants use simple software simulations. Physical science activities focus on relationships between gravity, friction, aerodynamic principles and energy. Three free simple-to-use software programs from NASA Glenn are featured and: 1) control the shape, size, and inclination of the airfoil and atmospheric conditions in which you are "flying"; 2) teach aerodynamics by controlling the conditions of a big league baseball pitch (speed, spin, etc.); and 3) model the design and testing of jet engines, flight conditions, and engine size. Applications to "force and motion" are another focus. The software and material will teach concepts simply, visually and in an exciting manner.

SCE 5807  Forces and Motion  
3 sh (may not be repeated for credit)  
Engages participants in reviewing the history and development of concepts associated with why things move and how they move in the mechanical world. Simple demonstrations and hands-on inquiry activities connect each week's content area with real-world examples.

SCE 5834  Earth's History  
3 sh (may not be repeated for credit)  
Examines the geological history of Earth, including its physical origins and development as well as the origins and evolution of life on the planet. Is cross-disciplinary when appropriate and is especially designed for secondary school teachers who are currently teaching or who are preparing to teach courses in middle and high school Earth science. Combines technical explanations of geologic processes and phenomena in addition to an explanation of the nature and mechanisms that drive evolution. The original course content documents are supplemented with original animated graphics, other web-based resource links, and self-directed reviews of literature on various discussion topics presented during the course.

SCE 5836  Earth in the Solar System  
3 sh (may not be repeated for credit)  
Examines the Earth's "place in space" and its relationship to the Sun and other planets of the solar system. Is cross-disciplinary when appropriate and is especially designed for secondary school teachers who are currently teaching or who are preparing to teach courses in middle and high school Earth science. Combines technical explanations of astronomical processes and phenomena with an explanation of the physical composition of the other planets, moons, and celestial objects found in our solar system. The original content documents are supplemented with original animated graphics, other web-based resource links, and self-directed reviews of literature on various discussion topics presented during the course.

SCE 5837  Structure of the Earth  
3 sh (may not be repeated for credit)  
Examines the geological history of Earth, including its physical processes and phenomena in addition to an explanation of the nature of Earth sciences. Combines technical explanations of geologic processes and phenomena with an explanation of the geological history of Earth, including its physical processes and phenomena in addition to an explanation of the nature of Earth sciences. Combines technical explanations of geologic processes and phenomena with an explanation of the nature and mechanisms that drive evolution. The original course content documents are supplemented with original animated graphics, other web-based resource links, and self-directed reviews of literature on various discussion topics presented during the course.

SCE 5842  Aquatic Ecology for Teachers  
3 sh (may not be repeated for credit)  
Aquatic Ecosystems engages participants in reviewing and comparing aquatic environments, investigating the dynamics of ecological interactions, and addressing the impact of human activity. Each week's content addresses main science concepts, illustrative examples, inquiry activity ideas, resource extensions, opportunities to learn more, and connections to teaching and learning in grades 4-9 science classrooms.
SCE 5853 Chemistry Through Inquiry
3 sh (may not be repeated for credit)
The course focuses on the National Science Education content standards for physical science and "science as inquiry" for K-4 and 5-8. As teachers do hands-on science investigations, read science background, and participate in discussion they will enhance their own scientific content knowledge and develop an inquiry-based approach to science teaching.

SCE 5875 Ocean Science
3 sh (may not be repeated for credit)
Examines the physical, chemical, and biological factors that influence the ocean. It supports content with a discussion of the methods through which students can achieve ocean-related content outlined in the National Science Education Standards. It uses text-based content, participant interaction, analysis of current research, web search, and implementation of activities to improve the skills of teachers.

SCE 6017 Science Instruction in the Elementary School
3 sh (may not be repeated for credit)
Theory and practice of elementary school science education, including history, philosophy, research, curricula, and instructional strategies. Demonstration teaching, individualized instruction and action research.

SCE 6265 Science Instruction in the Middle and Secondary School
3 sh (may not be repeated for credit)
Co-requisite: EDM 6944 or ESE 6944
Assists middle and secondary level teachers to develop theoretical understanding and skills necessary to teach in a manner consistent with current reform efforts in science education. Focuses on three components of understanding science teaching and learning: 1) the nature of science, its history and philosophy, 2) how students learn science, and 3) the role of the teacher in creating a safe learning environment. Admission to Teacher Education and permission is required. Credit may not be received in both SCE 6265 and SCE 6625.

SCE 6446 Energy and the Environment Workshop
3 sh (may not be repeated for credit)
Activities related to the teaching of energy through a thematic approach. Discussions and activities about the production, transmission, and distribution of energy, alternative energy sources, energy conservation, and the use of a hands-on/minds-on, collaborative approach to teaching are included. Students are required to complete field trips as scheduled.

SCE 8980 Ed.D. Dissertation in Biological Science
1-18 sh (may be repeated for up to 36.0 sh of credit)
Major independent research in biological science education designed especially for candidates in the Ed.D. curriculum and instruction program with specialization in science. Dissertation will reflect intensive research produced by the student and collaboratively developed with the student's graduate committee. Graded on satisfactory/unsatisfactory basis only. Admission to candidacy and completion of all other doctoral program requirements are required. Permission is required.

SOCIAL ORGANIZATIONS Courses
SYO 3100 The Family
3 sh (may not be repeated for credit)
Social and psychological aspects of interpersonal relationships within the family. Emphasis on modern problems of family.

SYO 4530 Inequality in America
3 sh (may not be repeated for credit)
Social classes and class relations, changing forms and patterns of inequality in American society.

SOCIAL PROCESSES Courses
SYP 3630 Popular Culture
3 sh (may not be repeated for credit)
Analysis of the social foundations and cultural ramifications of mass culture with primary reference to American society.

SOCIAL PSYCHOLOGY Courses
SOP 3004 Social Psychology
3 sh (may not be repeated for credit)
Survey of theory, method, and research in the areas of social psychology, such as attitude formation and change, social perception/cognition, impression formation, social influence, interpersonal attraction and relationships, aggression and prosocial behavior, and group dynamics. Application in areas such as work or health behavior, legal settings, or environmental psychology may also be included.

SOP 3730 Psychology, Culture, and Society
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012
The study of social processes within a cultural context. Topics include non-verbal behavior, the construction of social reality, communication, personal relationships, social influence, discrimination and prejudice, group dynamics, organizational culture and behavior, implications for health and wellness.

SOP 4702 Psychology and Gender
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012
Addresses the construction of gender as a psychological construct. The psychological construct of gender is considered from biological, social, and individual perspectives. Lecture, discussion, readings, and participative learning methods are used.

SOP 5609 Current Issues in Industrial-Organizational Psychology
1 sh (may be repeated for up to 2.0 sh of credit)
Topics of current interest in industrial-organizational psychology. May include panel discussions, site visits to local organizations, guest speakers, individual student research presentations, or discussions led by the professor. Industrial-organizational psychology students must enroll for two consecutive terms.

SOP 6069 Advanced Social Psychology
3 sh (may not be repeated for credit)
Prerequisite: SOP 3004; or an undergraduate degree in Psychology
Contribution of social psychology to understanding of human behavior: emphasis is on theory and research in major areas such as attitude, perception and attribution, attraction, altruism, group behavior, etc.

SOP 6668 Organizational Change and Development
3 sh (may not be repeated for credit)
Prerequisite: INP 6397 or SOP 6669
Organizational development: change agency, role of self in O.D., change theory, feedback methodology, relationship building, team building and quality. Lab learning methodology. May not be taken for credit by students having credit for MAN 6285.
SOP 6669  Advanced Organizational Psychology
3 sh (may not be repeated for credit)
Seminar reviewing much of the recent research literature in areas of
organizational psychology, including leadership, motivation, job
performance, job satisfaction, role behavior in work settings and
communications.

SOP 6776  Human Sexuality and Sex Therapy
3 sh (may not be repeated for credit)
Major emphasis is given to research regarding a broad range of
sexual dysfunctions and analyses of specific therapeutic interventions.
Various styles of sexual expression are also examined in terms of their
social and psychological implications. Assumes prior knowledge of
counseling theory and practice.

SOCIAL STUDIES EDUCATION Courses

SSE 4113  Social Studies for Elementary Teachers
3 sh (may not be repeated for credit)
Instructional methods and materials for teaching a contemporary
program in social studies in the elementary school. Includes citizenship
education and multicultural understandings; current trends and models
teaching social studies.

SSE 4324  Teaching Social Studies in the Middle and Secondary
Schools
3 sh (may not be repeated for credit)
Instructional methods and materials for teaching a contemporary
program in the social studies, including classroom management,
citizenship education, global education and current trends and
approaches to teaching social studies; includes observation/ participation
in middle and secondary school settings.

SSE 5045  Teaching Social Studies for the Intermediate Learner
3 sh (may not be repeated for credit)
Instructional methods and materials for teaching a contemporary
program in social studies in middle and high school. Includes citizenship
education and multicultural understandings; current trends and models
teaching social studies.

SSE 6326  Teaching Social Studies in Middle and Secondary Level
Education
3 sh (may not be repeated for credit)
Prerequisite: SSE 4113
Co-requisite: EDM 6944 or ESE 6944
Analysis and evaluation of new programs and practices in teaching
middle and secondary school social studies in terms of rationale,
structure of disciplines and teaching strategy models; development,
implementation and demonstration of creative teaching techniques
designed to improve pupils' and teachers' understandings of and
attitudes toward the study of social studies. Admission to Teacher
Education and permission is required.

SOCIAL WORK Courses

SOW 2192  Understanding Relationships in the 21st Century
3 sh (may not be repeated for credit)
Human relationships with a focus on the interrelatedness and effects of
underlying theoretical principles as they relate to individual, family and
group interactions. (General Studies: SS/BEH).

SOW 3103  Human Behavior in Social Environment
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085 or BSC 1086 or BSC 1005
Social personality and cognitive development, normal and abnormal,
normative and non-normative crisis and gender issues with an
emphasis on cultural diversity. Importance of social work intervention
and treatment with individual, family, and community.

SOW 3113  Human Behavior in Organizations and Communities
3 sh (may not be repeated for credit)
Introduces the future practitioner to the concept of change agent within
organizations, institutions, and communities. Prepares the student
with academic concepts on community organization as a prelude
to the practice course. Emphasis is placed on the student’s ethical
responsibilities to the client, organizational structure of human service
agencies and the elements common to them. Students will understand
structural and organizational differences between profit and nonprofit
agencies. Students will experience organizational obstacles to planned
change. The dynamics of gender, class, race, ethnicity, and sexual
orientation are examined in relationship to how they are played out
within the organizational context.

SOW 3203  Introduction to the Field of Social Work
3 sh (may not be repeated for credit)
Survey of the social work profession from its roots to contemporary
practice with a descriptive focus on its values, knowledge bases, skills,
and fields of practice. Emphasis is on generalist social work and social
policy structures which sustain society. Introduces the relationship of
social problems to social policy and to social service delivery systems.

SOW 3313  Work With Individuals and Families
3 sh (may not be repeated for credit)
One of four practice courses designed to prepare the student for
generalist social work. Emphasis is on the values, knowledge, and
skills necessary for effective assessment and intervention on the micro
level, and is reflected in several areas, including the worker/ client
relationship, assessment, strategies and implementation techniques,
the social worker’s use of self, the phases of the helping process, and
evaluation. Using the systems approach, emphasis is placed on social,
cultural, and environmental influences on the functioning of
individuals and families. Permission is required.

SOW 3314  Case Management
3 sh (may not be repeated for credit)
Designed to help students develop a general overview of case
management and how it is defined and practiced in a variety of
settings, such as juvenile justice programs, mental health programs,
and nonprofit community agencies.

SOW 3322  Work With Groups
3 sh (may not be repeated for credit)
One of a series of four courses designed to prepare a student for
generalist social work practice. The student will acquire the knowledge
base, values and skills necessary for working with groups at the
beginning professional level. The focus will be on developing the
knowledge base, values and practice skills needed to use the problem
solving approach to work with diverse populations within various types
of groups. Stages of groups and activities that can enhance the group
process will be explored. Permission is required.
Practice in interviewing techniques and in precise, descriptive, and accurate writing techniques for practitioners in social work, psychology, and other helping professions. (Gordon Rule Course: Wrtg).

SOW 3503 Introduction to Generalist Practice  
3 sh (may not be repeated for credit)  
Prerequisite: SOW 3203, SOW 3350

One of four practice courses designed to prepare the student for generalist social work. Through agency experience, classroom instruction, and introspective discussion, students develop self-awareness, beginning skills and knowledge, and a professional attitude. Students are introduced to a social agency setting, the varying needs and vulnerabilities of clients served, the problem solving process, and the development of basic knowledge and skills necessary in helping relationships with systems of various sizes. Restricted to social work majors. Permission is required.

SOW 3620 Practice with Culturally Diverse Populations  
3 sh (may not be repeated for credit)

Explores the differences of experience, needs and beliefs of culturally diverse population within our society, and provides a theoretical foundation from which to develop differential assessment and implementation skills essential to culturally sensitive practice. Patterns, dynamics and consequences of discrimination, economic deprivation and oppression are discussed with special emphasis on the impact for people of color, women, gay and lesbian, and disabled populations. Meets Multicultural requirement.

SOW 3650 Introduction to Child Welfare  
3 sh (may not be repeated for credit)

Prepares social workers and others to enter the field of child welfare with a better understanding of the history of this movement and the types of services and programs designed to assist children and families. Also introduces and provides information to any interested person regarding the social problems of children and the availability of services to children in need.

SOW 3905 Directed Study Course  
1-3 sh (may be repeated for up to 99.9 sh of credit)  
Permission of Instructor only.

SOW 3948 Service Learning Field Study II  
1-3 sh (may be repeated for up to 4.0 sh of credit)

Placement in community agency or other social organizational setting related to field of study. Supervision by faculty and agency. Students and faculty "customize" courses to fit a full range of services that are available in the setting. Student must be able to draw correlation between the discipline and field study. Journal and reflective experience paper are required. With the agreement of the student's faculty sponsor, a minimum of 4-6 hours per week must be done at the field site per semester hour of credit. Permission is required.

SOW 4111 Adolescents At Risk  
3 sh (may not be repeated for credit)

Explores environmental and societal factors that contribute to risky behaviors of adolescents such as substance use, delinquency, sexual activity, and violent behavior, and others. Characteristics of high risk and low risk youth are discussed including the relationship of these characteristics to adolescent development. Prevention, intervention, and treatment approaches are discussed.

SOW 4141 Social Aspects of Family Violence  
3 sh (may not be repeated for credit)

Introduces basic concepts, principles, and methods for understanding and identifying family violence. Topics include an historical overview; the impact of domestic violence on the community and on the woman, children, and man involved; the identification of emotional, physical, and sexual aspects of abuse; safety planning and levels of lethality; an introduction to effective intervention.

SOW 4232 Analysis of Social Service Policy  
3 sh (may not be repeated for credit)  
Prerequisite: SOW 4403

Examines social welfare policy as a central concern to social work. Addresses policy practice. Includes improvement of human services delivery systems through the application of problem solving, critical thinking and other necessary skills.

SOW 4233 Human Diversity and Social Justice  
3 sh (may not be repeated for credit)  
Prerequisite: SOW 4232, SOW 4403

Examines the impact of social, economic, and political environments on diverse populations specifically race, gender, age, ethnicity, culture, class, sexual orientation, religion, and physical and mental ability. Integrates the key elements of the profession of social work through the filter/lens of social, political, and economic justice.

SOW 4242 Families and Family Treatment  
3 sh (may not be repeated for credit)

Designed to define and understand contemporary family forms and family functions, both normative and in crisis, and introduces modalities for assisting troubled families. Addresses such issues as: the impact of the family life cycle, strategies and goals of family treatment, single parent families, gay and lesbian couples and families, and families with chronically and terminally ill members.

SOW 4303 Prevention and Intervention Strategies for Children Ages 0-5 and Their Families  
3 sh (may not be repeated for credit)

Generalist practice methods for children 0-5 and their families. An overview of developmental, psychological, sociological and legal issues. Strategies for prevention and intervention. Offered concurrently with SOW 5309; graduate students will be assigned additional work.

SOW 4403 Social Work Research Foundations  
3 sh (may not be repeated for credit)  
Prerequisite: SOW 3350 Interviewing and Recording

An introduction to research methodology in the evaluation of social work practice and program evaluation.

SOW 4510 Social Work Field Instruction  
1-9 sh (may be repeated for up to 9.0 sh of credit)  
Prerequisite: SOW 3103, SOW 3113, SOW 3203, SOW 3313, SOW 3222, SOW 3350, SOW 3503, SOW 3620, SOW 4232, and SOW 4403  
Co-requisite: SOW 4522

Field education experience in social service agency with a qualified professional supervisor. A minimum of 400 hours is required. Restricted to social work majors. Graded on a satisfactory/unsatisfactory basis only. Eighteen semester hours of required social work courses, 2.5 GPA in major, and permission is required.
SOW 4522  Senior Seminar
3 sh (may not be repeated for credit)
Prerequisite: SOW 3103, SOW 3113, SOW 3203, SOW 3313, SOW 3322, SOW 3350, SOW 3503, SOW 3620, SOW 4232, and SOW 4403
Co-requisite: SOW 4510
Designed to integrate previously learned beginning generalist practice concepts, values, knowledge, attitudes and skills with practice. Eighteen semester hours of required social work courses, 2.5 GPA in major, and permission is required.

SOW 4674  Social Issues and Intervention Strategies in Social Work Practice with Older Adults
3 sh (may not be repeated for credit)
Embraces an interdisciplinary approach to intervention strategies to eliminate or ameliorate problems/crises faced by aging clients. Demographics are addressed.

SOW 4700  Substance Abuse Prevention and Treatment: Special Issues
3 sh (may not be repeated for credit)
Historical, legal, ethical, and social issues relating to drug abuse prevention and treatment. The family unit will serve as a basic focus for the area of prevention. Various treatment approaches will be covered from outpatient counseling to therapeutic communities.

SOW 4740  Dimensions of Death and Dying: Special Issues
3 sh (may not be repeated for credit)
Assists the student, both personally and as a professional helping others, to approach death and dying with enhanced knowledge, sensitivity, and less dread and denial. Examines historical, social, legal, cultural, and interpersonal aspects of death and bereavement within the context of professional practice. Offered concurrently with SOW 5745; graduate students will be assigned additional work.

SOW 5105  Human Behavior in the Social Environment I
3 sh (may not be repeated for credit)
Provides an understanding of social functioning throughout all phases of the life cycle by examining the interaction between the biological deter rents of growth and development and various systems of our social environment. Focus is on the interrelatedness and effects of individuals, families and groups and of genetic, emotional and societal systems and values that foster or impede social functioning.

SOW 5106  Human Behavior in the Social Environment II
3 sh (may not be repeated for credit)
Familiarizes students with the academic concepts of macro assessment and community organization through planned change processes. Emphasis is placed on the social worker’s role as a change agent, strategies and models for community organizing, and ethical responsibility to the client, organization, community, and the profession.

SOW 5218  Analysis of Social Service Policy
3 sh (may not be repeated for credit)
Co-requisite: SOW 5404
Examines social welfare policy as a central concern to social work. Addresses policy practice. Includes improvement of human services delivery systems through the application of problem solving, critical thinking and other necessary skills.

SOW 5243  Families and Family Treatment
3 sh (may not be repeated for credit)
Designed to define and understand contemporary family forms and family functions, both normative and in crisis, and introduces modalities for assisting troubled families. Addresses such issues as: the impact of the family life cycle, strategies and goals of family treatment, single parent families, gay and lesbian couples and families, and families with chronically and terminally ill members.

SOW 5305  Generalist Practice I
3 sh (may not be repeated for credit)
First course in a two course sequence which covers generalist social work practice. Basic generalist practice skills with individuals, families, and groups. Basic communications and interviewing skills are introduced and practiced. Tasks and skills required in the beginning practice: preparation, engagement, first interviewing skills, and case documentation. The process of collecting relevant social, psychological, cultural, economic, and biological data from individuals, families, and groups and organizing and analyzing data for problem formulation. Historical and contemporary perspectives of the case management process are highlighted focusing on advocacy roles. Practice skills and the application of those skills through the use of interactive exercises and role plays.

SOW 5309  Prevention and Intervention Strategies for Children Ages 0-5 and Their Families
3 sh (may not be repeated for credit)
Generalist practice methods for children 0-5 and their families. An overview of developmental, psychological, sociological and legal issues. Strategies for prevention and intervention. Offered concurrently with SOW 4303; graduate students will be assigned additional work.

SOW 5324  Generalist Practice II
3 sh (may not be repeated for credit)
Introduces the knowledge base, values and skills necessary for working with groups at the beginning professional level. Develops the knowledge base, values, principles, and practice skills needed to work with diverse populations within various types of groups. Stages of groups and activities will be explored that can enhance the group process and its purpose towards achieving its objectives.

SOW 5404  Social Work Research Foundations
3 sh (may not be repeated for credit)
An introduction to research methodology in the evaluation of social work practice and program evaluation.

SOW 5532  Foundation Year Field Instruction and Integrative Seminar I
3 sh (may not be repeated for credit)
Integrates foundation curriculum social work course content and 400 hours field education experience in order for students to function as generalist social work practitioners. Issues related to social work values and ethics, diversity, social and economic justice, populations at risk, human behavior and the social environment, social welfare policy and services, practice and research are examined within the context of the student’s field education experiences. Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required.
SOW 5629  Human Diversity and Social Justice
3 sh (may not be repeated for credit)
Examines the impact of social, economic and political environments on
diverse populations specifically race, gender, age, ethnicity, culture,
class, sexual orientation, religion, and physical and mental ability.
Integrates the key elements of the profession of social work through
the filter/lens of social, political and economic justice.

SOW 5710  Substance Abuse Prevention and Treatment: Special
Issues
3 sh (may not be repeated for credit)
Historical, legal, ethical, and social issues relating to substance abuse
prevention and treatment. The family unit will serve as a basic focus for
the area of prevention. Various treatment approaches will be covered
from outpatient counseling to therapeutic communities.

SOW 5745  Dimensions of Death and Dying: Special Topics
3 sh (may not be repeated for credit)
Assists the student, both personally and professionally helping others,
to approach death and dying with enhanced knowledge, sensitivity,
and less dread and denial. Examines historical, social, legal, cultural,
and interpersonal aspects of death and bereavement within the context
of professional practice.

SOW 5757  The History, Philosophy, and Theory of Social Work
Practice
3 sh (may not be repeated for credit)
Introduces the student to the Social Work Profession and the
history, philosophy, theory, and development of social work practice.
Perspectives on social welfare, social work as a profession, and core
concepts will be introduced. Content will cover aspects of social work
practice including poverty, child welfare, criminal justice, health and
mental health, homelessness, and aging.

SOW 6125  Psychopathology for Social Work
3 sh (may not be repeated for credit)
Patterns of human behavior and psychosocial functioning commonly
conceptualized as psychopathology. Addresses such concepts as
function, mental health, mental illness, normality and abnormality.
Prevalent categories of psychiatric disorders are considered as to their
labeling process, differentiating characteristics, explanatory theories
and relevance for social work practice.

SOW 6125  Psychopathology for Social Work
3 sh (may not be repeated for credit)
Introduces the student to the Social Work Profession and the
history, philosophy, theory, and development of social work practice.
Perspectives on social welfare, social work as a profession, and core
concepts will be introduced. Content will cover aspects of social work
practice including poverty, child welfare, criminal justice, health and
mental health, homelessness, and aging.

SOW 6125  Psychopathology for Social Work
3 sh (may not be repeated for credit)
Introduces the student to the Social Work Profession and the
history, philosophy, theory, and development of social work practice.
Perspectives on social welfare, social work as a profession, and core
concepts will be introduced. Content will cover aspects of social work
practice including poverty, child welfare, criminal justice, health and
mental health, homelessness, and aging.

SOW 6245  Social Work Practice with Families in Communities
3 sh (may not be repeated for credit)
Prepares students for advanced practice that strengthens family
systems and their functioning within the larger social system. Macro
level problems are considered from a global perspective as well as in
context of local community partnerships and regional perspectives.
Describes man-made and natural disasters and their impact on
families within the larger ecological context of community.

SOW 6344  Theories and Models of Social Work Practice
3 sh (may not be repeated for credit)
Theoretical foundations and practice techniques which underlie
social work practice. Course critically examines the theoretical bases,
underlying assumptions, and empirical status of different models
with specific emphasis on how they address socio-cultural issues
with diverse populations and align with the values of the social work
profession.

SOW 6348  Theories and Models of Social Work Practice
3 sh (may not be repeated for credit)
Theoretical foundations and practice techniques which underlie
social work practice. Course critically examines the theoretical bases,
underlying assumptions, and empirical status of different models
with specific emphasis on how they address socio-cultural issues
with diverse populations and align with the values of the social work
profession.
SOW 6619  Clinical Practice II
3 sh (may not be repeated for credit)
Clinical decision-making and advanced clinical interventions by building on a generalist approach to social work practice. Utilizes the clinical community concentration prerequisites to examine normal development and psychopathology as a foundation for advanced practice. Examines specific theories and models of intervention with individuals, families, and groups that can be tailored to client needs. Addresses work with clients across the life cycle with diverse issues. The impact of poverty, racism, sexism, and manifestations of institutionalized oppression upon clients and workers are addressed at an advanced level. Methods of enhancing adaptive functioning and resiliency are emphasized. Students will be expected to demonstrate clinical expertise, an understanding of social work ethics and values, incorporate client preferences, utilize critical thinking skills, and apply empirical evidence to practice decisions.

SOCIOLOGY OF DEMOGRAPHY/AREA STUDIES/SOCIOLOGICAL MINORITIES Courses

SYD 3810  Introduction to Women's Studies
3 sh (may not be repeated for credit)
Examination of the economic, political, social and cultural positions of women in the past and now in American society. Also examines social roots of their self-concepts, values, beliefs and perceptions.

SYD 4800  Sociology of Sex Roles
3 sh (may not be repeated for credit)
Changing sex roles in American society with particular attention to socialization and sex-differentiated roles in social institutions.

SOCIOLOGY: GENERAL Courses

SYG 2000  Introduction to Sociology
3 sh (may not be repeated for credit)
Fundamental principles concerning social relationships, social interaction and social structure. (General Studies Course: SS/SOC).

SYG 2010  Current Social Problems
3 sh (may not be repeated for credit)
Major social issues affecting individuals in groups in modern industrial societies. Not open to students with Social Problems as lower division course. (General Studies Course: SS/SOC).

SPANISH LANGUAGE Courses

SPN 1120C  Spanish I
4 sh (may not be repeated for credit)
For students with no knowledge of Spanish or with less than two years of high school Spanish. Lays a foundation for speaking, writing, and reading Spanish. In addition to the three hours of scheduled classroom time, students are required to do one hour of laboratory work per week.

SPN 1121C  Spanish II
4 sh (may not be repeated for credit)
Continuation of SPN 1120C. Continues development of skills in speaking, writing, and reading Spanish. In addition to the three hours of scheduled classroom time, students are required to do one hour of laboratory work per week.

SPN 2200  Intermediate Reading and Translation
3 sh (may not be repeated for credit)
For students who have previous experience in Spanish, but are not yet prepared for advanced work in the language.

SPN 2210  Intermediate Composition & Conversation
3 sh (may not be repeated for credit)
Practical oral communication course for students on an intermediate level. Prepares students for SPN 2200.

SPN 3400  Advanced Stylistics
3 sh (may not be repeated for credit)
Increasing and improving language skills. Classes conducted in Spanish. Meets Multicultural requirement.

SPN 3410  Composition and Conversation
3 sh (may not be repeated for credit)
Skill in writing and speaking Spanish.

SPN 4500  Spanish Civilization
3 sh (may not be repeated for credit)
Cultural and historical background of Spain. Meets Multicultural requirement.

SPN 4520  Latin American Culture and Civilization
3 sh (may not be repeated for credit)
Cultural and historical background of Latin American literature. Meets Multicultural requirement.

SPN 4955  Intensive Spanish Abroad
1-5 sh (may be repeated for up to 5.0 sh of credit)
Supervised and individualized foreign language experience abroad tailored to each student's individual proficiency needs in language and culture. Instruction will be in Spanish. Graded on a Satisfactory/ Unsatisfactory basis only. Permission is required. Multicultural requirement.

SPANISH LITERATURE: WRITINGS Courses

SPW 3190  Topics in Hispanic Literature
3 sh (may be repeated for up to 6.0 sh of credit)
Prerequisite: SPN 2200
An introduction to the literary analysis of selected Hispanic Texts, using readings and film, discussions and writing assignments. Normally offered in Spanish (it could also be taught in English), it will be aimed at intermediate to native Spanish speakers with an interest in Hispanic--Spanish and/or Latin American--literature. It will enhance language skills and foster an appreciation of Hispanic culture, adding the challenge of applying critical analysis to selected texts in Hispanic literature.

SPEECH COMMUNICATION Courses

SPC 2300  Introduction to Interpersonal Communication
3 sh (may not be repeated for credit)
The course focuses on close relationships involving friends, coworkers, family members, and romantic partners. Students will learn about the stages of relationship development as well as skills and strategies to enhance self-awareness, identify relational goals, manage conflict, share personal information, understand common gender differences, manage power differences, interact with bosses and coworkers, and more.
SPC 2608  Basic Communication Skills
3 sh (may not be repeated for credit)
Emphasizes the link between the fundamental theories in speech communication and effective public speaking. Includes practical training and study in public presentation skills, audience analysis, speech construction and problem solving using lecture and experiential learning format. (General Studies Course: HUM/VAL).

SPC 3301  Interpersonal Communication
3 sh (may not be repeated for credit)
Emphasizes the link between interpersonal communication skills and relationship building in personal and professional contexts. Includes components on self awareness, impression management, rapport building, developing intimacy, managing conflict, ethical use of interpersonal power, diversity issues, leadership, and using technology to facilitate interpersonal communication. Involves hands-on service learning project that provides the opportunity to practice interpersonal skills in a professional setting.

SPC 3593  Practicum in Forensics
1-3 sh (may be repeated for up to 10.0 sh of credit)
Active forensics participation through library research, topic analysis, discussion, practice and travel to intercollegiate tournaments. Permission is required.

SPC 3605  Speech Writing, Analysis, and Delivery
3 sh (may not be repeated for credit)
Prerequisite: SPC 2608
Practical application in writing, analyzing, and delivering speeches for a variety of professional and social rhetorical situations.

SPC 4513  Argumentation and Debate
3 sh (may not be repeated for credit)
Provides studies in the theories of argumentation and debate, with many opportunities for practice. Students will be introduced to a variety of formal and informal debate formats. Theories of argumentation drawn from classical & contemporary sources, with application to practice, including: arrangement/construction, evaluation, oral delivery, and appreciation of forms or argument with consideration of their logical, ethical, and persuasive force. The content includes coverage of the fundamental principles and practices of critical reasoning and public logic. Designed for students interested in legal, academic, professional or political realms of communication and advocacy.

SPC 4540  Propaganda and Persuasion
3 sh (may not be repeated for credit)
Explores persuasion theory of persuasive activity at a variety of turns in the modern world. Special focus is on social movements, political campaigns and advertising. Seeks to gain a clearer understanding of how persuasive strategy works, from where it emerges and why and how we are affected by it.

SPC 4600  American Public Address
3 sh (may not be repeated for credit)
The character of public discussion has been the key factor in the construction of community in the United States. Public discourse defines the fashion and terms in which we shape communities, including how we legitimate leaders, grant authority and create public space. This course is about the variety of ways in which Americans have used their voices to live their lives in communities. Over the 265 years covered by this course, the variety is a rich mix of voices which in different ways understood and responded to the world they experienced.

SPC 4650  Political Communication
3 sh (may not be repeated for credit)
An introduction to the field of political campaign communication, including advertising, speech making, debates, and journalist coverage of campaigns. Course dedicates a significant amount of attention to strategic communication in campaign contexts.

SPC 4651  Rhetoric of Social Movement
3 sh (may not be repeated for credit)
The nature and function of the rhetoric of social movements in American society. Social movements are communication events and processes in which persuasion is pervasive. They rely on communication events to retain their relevance in the society. An exploration into social movement development and function from a communication perspective. Special focus is lent to the nature of argumentation, language and ideology.

SPC 4680  Rhetorical Criticism
3 sh (may not be repeated for credit)
The rationale, methods, and applications of rhetorical criticism. Goal is to improve understanding and evaluation of real-world persuasive communication. Lecture and reading materials are divided into two main units. First is the general nature of both rhetoric and criticism, providing a basic conceptual framework for the identification and analysis of rhetorical artifacts. Second is a survey of nine contemporary critical approaches; cluster criticism, fantasy-theme criticism, feminist criticism, genre criticism, ideological criticism, metamorphic criticism, narrative criticism, pentadic criticism, generative criticism.

SPC 4710  Intercultural Communication
3 sh (may not be repeated for credit)
Explores issues related to intercultural communication processes. Considers the important role of context (social, cultural, and historical) in intercultural interactions. The goal is to develop an understanding of the process of communicating across cultural boundaries. Operates from the premise that culture is both a producer and product of communication, and, therefore, an appreciation of communication processes is an essential factor in promoting positive intercultural relations.

SPC 6646  Strategic Approaches to Presentational Speaking
3 sh (may not be repeated for credit)
Emphasizes advanced rhetorical theory, executive-level presentational speaking skill set development, and a diverse array of analytic tools used for context and public audience analysis. Focuses on the strategic application of these analytic and performance tools to instances of public and professional advocacy.

SPORTS MANAGEMENT Courses

SPM 3004  Introduction to Contemporary Sport Management
3 sh (may not be repeated for credit)
Students will study the size and scope of the sport industry, as well as the contemporary issues, strategies, and tactics employed in the successful practice of sports management.
SPM 3024 Current Issues in Sports Management
3 sh (may not be repeated for credit)
Exposes student to current issues in the sports industry and will provide the students with an in-depth knowledge of the various issues in sport. Students will be prepared to become agents of change in the sport industry through discussions and debates on the relevant issues in the sports world.

SPM 3024 Sport Facility and Event Management
3 sh (may not be repeated for credit)
Provides students with an introduction to the planning and management of sports facilities. Focuses on elements of planning, design, and management, while examining functions related to maintenance, security, operations, and evaluation. Will emphasize problem solving utilizing class discussions, guest speakers, and facility site visitations as feasible.

SPM 3006 Sports Marketing
3 sh (may not be repeated for credit)
Topics and issues involved in the promotion and marketing of sporting events, products, and services will be discussed. Examination of the evolution, theories, and practical applications of marketing strategies and current issues relative to social, political, ethical, and cultural environments will be presented.

SPM 4003 Sport Media
3 sh (may not be repeated for credit)
Examines the role media plays in contemporary sports, the relationship between sports and sports media, and how these two entities influence the public's perception of sport as a growing industry. Examines the many professional careers associated with sports media including sports information, public/media relations, journalism, and broadcasting.

SPM 4003 Sport Management Careers Seminar
3 sh (may not be repeated for credit)
In depth exploration of the sport management career field for students who have completed at least 30 sh of major courses. Students will have an opportunity to learn and practice job seeking and professional career development skills. Should be taken the semester prior to internship as students will complete their internship application as part of the course.

SPM 4503 Economic Issues in Sport
3 sh (may not be repeated for credit)
Prerequisite: SPM 3004, 30 sh of major courses completed
This course is designed to examine major economic issues in the sport industry and introduce the methodology of economics that can be used to analyze these issues.

SPM 4505 Principles and Issues in Sport Finance
3 sh (may not be repeated for credit)
Prerequisite: SPM 3004, ACG 3082 and either ECO 2013 or ECO 3003
This course covers major financial issues related to sport management. Students will gain knowledge necessary to successfully financially manage budget, account, ascertain funding, and navigate other complex sport finance issues. The specific financial implications of managing a sport related business is covered.

SPM 4604 Governance in Sport
3 sh (may not be repeated for credit)
Prerequisite: SPM 3004
A study of the growing spread and development of sport throughout the world as well as how the governing bodies involved affect the structure, organization, and delivery of sport.

SPM 4723 Sport Law and Risk Management
3 sh (may not be repeated for credit)
An integration of the various areas involved in sport pertaining to legal liability issues and risk management techniques in coaching, facility management, and sport management.

STATISTICS Courses

STA 2023 Elements of Statistics
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 or MAC 1114 or MAC 1140 or MAT 1033 or MGF 1106 or MGF 1107
Fundamental statistical concepts. Probability, inference, estimation, hypothesis testing. (Gordon Rule Course: Applied Math) and (General Studies Course: MAT/MO).

STA 3162C Applied Statistics
4 sh (may not be repeated for credit)
Prerequisite: MAC 2311
Inferential statistics from an applied point of view. Probability and sampling distributions, confidence intervals and hypothesis testing, ANOVA, correlation, simple and multiple linear regressions. SAS computer techniques. Lab required. (Gordon Rule Course: Applied Math).

STA 4173 Biostatistics
3 sh (may not be repeated for credit)
Prerequisite: STA 2023
A second course in statistics for students in the Biological Sciences. Topics covered include analysis of variance, regression analysis, nonparametric statistics, contingency tables. Offered concurrently with STA 5176; graduate students will be assigned additional work. (Gordon Rule Course: Applied Math).

STA 4321 Introduction to Mathematical Statistics I
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312
Probability, conditional probability, distributions of random variables, distribution of functions of random variables, limiting distributions, multivariate probability distributions. (Gordon Rule Course: Applied Math). Offered concurrently with MAP 5XX1 (Introduction to Mathematical Statistics I); graduate students will be assigned additional work.

STA 4322 Mathematical Statistics II
3 sh (may not be repeated for credit)
Prerequisite: STA 4321
Point and interval estimates, measures of quality of estimates, Bayesian estimates, robust estimation, statistical hypothesis testing, including goodness of fit, contingency tables and ANOVA, SPR test, the Cramer-Rao inequality, multiple comparisons, completeness, distributions of quadratic forms, multivariate normal distributions. Offered concurrently with STA 5326; graduate students will be assigned additional work. (Gordon Rule Course: Applied Math).
STA 4664  Introduction to Statistical Quality Control
3 sh (may not be repeated for credit)
Prerequisite: STA 2023
Covers control charts, capability indices, and related topics used in process control. (Gordon Rule Course: Applied Math).

STA 5166  Special Topics in Statistics
3 sh (may not be repeated for credit)
Prerequisite: STA 2023 or STA 3162C
Introduction to one- and two-way ANOVA; nonparametric methods, correlation and linear regression analysis. Introduction to SAS.

STA 5176  Statistical Modeling
3 sh (may not be repeated for credit)
Prerequisite: STA 2023
A second course in statistics for students in Mathematical Sciences Graduate Program. Topics covered include analysis of variance, regression analysis, non parametric statistics, contingency tables. Students will use matrix algebra to derive some properties of regression diagnostics, in addition to using the method of least squares to derive optimal estimators in linear models. This course is offered concurrently with STA 4173; graduate students will be assigned to additional work.

STA 5206  Analysis of Variance
3 sh (may not be repeated for credit)
Prerequisite: STA 2023 or STA 3162C
Statistical methods useful in design and analysis of experiments in physical, biological, and social sciences. Analysis of variance including randomized blocks, Latin square, factorial arrangements, regression. Offered concurrently with STA 4202. Graduate students will be assigned additional work.

STA 5207  Applied Regression Analysis
3 sh (may not be repeated for credit)
Prerequisite: STA 2023 or STA 3162C
Regression analysis, simple and multiple; procedures for selection of a best set of regressors.

STA 5326  Mathematical Statistics II
3 sh (may not be repeated for credit)
Prerequisite: STA 4321
Point and interval estimates, measures of quality of estimates, Bayesian estimates, robust estimation, statistical hypothesis testing, including goodness of fit, contingency tables and ANOVA, SPR test, the Cramer-Rao inequality, multiple comparisons, completeness, distributions of quadratic forms, multivariate normal distributions. Offered concurrently with STA 4322; graduate students will be assigned additional work.

STA 6246  Design and Analysis of Experiments
3 sh (may not be repeated for credit)
Prerequisite: STA 5176, STA 5206 or equivalent
Further concepts in design and analysis of planned experiments with emphasis on confounding and fractional replications of factorial experiments; composite designs; incomplete block designs; estimation of variance components.

STA 6507  Nonparametric Statistics
3 sh (may not be repeated for credit)
Prerequisite: STA 4321 and STA 2023 or STA 3162C
Extensive coverage of goodness-of-fit tests, location problems, association analysis and general nonparametric topics.

STA 6607  Operations Research I
3 sh (may not be repeated for credit)
Prerequisite: STA 4321 and MAS 3105 or MAS 5145
Mathematical probability models and distributions; linear programming models; the simplex method; duality and sensitivity analysis; inventory models; queuing theory; simulation.

STA 6608  Operations Research II
3 sh (may not be repeated for credit)
Prerequisite: STA 6607
Decision theory and games, PERT/CPM, Markovian decision process, integer programming, dynamic programming, reliability and maintenance.

STA 6666  Statistical Quality Control I
3 sh (may not be repeated for credit)
Prerequisite: STA 4321 and STA 2023 or STA 3162C
Procedures used in acceptance sampling and statistical process control are based on concepts and theory from probability and statistics. Introduces the applications of these procedures, investigates them from the standpoint of their statistical properties and develops the methodology for construction, evaluation and comparison of procedures.

STA 6707  Multivariate Methods
3 sh (may not be repeated for credit)
Prerequisite: STA 4321, STA 5206, or STA 5207
Multivariate extensions of Chi-Square and t-tests; discrimination and classification procedures; applications to diagnostic problems in biological, medical, anthropological and social research; multivariate analysis of variance; factor analysis and principle components analysis.

STA 6930  Proseminar in Statistics
1 sh (may not be repeated for credit)
Each M.A. candidate (except those who choose the thesis option), shall, under the direction of a project advisor, independently investigate a topic or topics in mathematics/statistics or mathematics education through the study of journal articles or other appropriate sources. The candidate shall submit a formal written report and make an oral presentation of the results of his/her investigations. The goal of the proseminar is to provide students an opportunity to integrate the total experience gained during their graduate training. Graded on satisfactory/unsatisfactory basis only. MA candidacy and permission is required.

STA 6971  Thesis
1-6 sh (may be repeated for up to 8.0 sh of credit)
Graded on satisfactory/unsatisfactory basis only. Permission is required.

STUDENT DEVELOPMENT SERVICES

Courses

SDS 6345  Educational and Vocational Guidance
3 sh (may not be repeated for credit)
Socio-psychological forces influencing career choice; identification, selection and use of educational and career guidance resources; use of decision-making concepts and skills in choosing educational and occupational alternatives.
SLS 6425  PK-12 Guidance and Counseling for Diverse Populations  
3 sh (may not be repeated for credit)  
Prerequisite: EDF 6218, EDF 6481  
Designed to enable guidance counselors to consult with teachers and  
students to address race, class, gender, sexual orientation, disabilities,  
and other social injustice differences in children and adolescents.

SLS 6620  Administration, Curriculum, and Instruction for Guidance  
Counselors  
3 sh (may not be repeated for credit)  
Designed to provide students with an introduction to the counselor’s  
role in the school improvement process and the philosophies of  
educational reform and accountability. Examines the role of classroom  
management and organization to promote PK-12 learning. Additionally,  
introduces the basic technologies that can be used by guidance  
counselors to facilitate student learning.

SDS 6642  A Survey of Literature in College Student Personnel  
3 sh (may not be repeated for credit)  
A seminar style survey of seminal books and articles in the field of  
college student personnel services (student affairs leadership and  
administration).

SDS 6647  Foundations of Counseling Principles for Student Affairs  
Administration  
3 sh (may not be repeated for credit)  
Focuses on basic counseling concepts and applications essential for  
effective student affairs practice and how these skills are best used  
in a student service setting. Serves as a professional preparation  
course in which students will have the opportunity to learn the basics  
of counseling skills including developing basic listening, conflict  
resolution, interviewing, and referral skills.

**STUDENT LIFE SKILLS (LEARNING)**  
Courses

SLS 1106  Freshman Year Experience  
2 sh (may not be repeated for credit)  
Assists first-time-in-college students to make a favorable transition to  
the university setting, to adjust to the academic demands that will be  
made of them within a university environment, and to investigate the  
possibilities of personal and intellectual growth.

SLS 1109  Academic Foundations Seminar  
3 sh (may not be repeated for credit)  
An introduction to students’ first two years at the University that  
is designed to prepare them for a successful college experience.  
Provides the necessary knowledge and experiences for them to be  
successful personally and academically during their college years and  
beyond.

SLS 2531  Academic Retention Seminar  
2 sh (may not be repeated for credit)  
Assists students with their re-entry into the University following  
academic suspension by self-assessment of previous academic  
performance and development of a personalized academic plan.  
Permission is required.

SLS 2942  Disney Field Experience  
1 sh (may not be repeated for credit)  
Paid work experience at Walt Disney World coupled with a College  
Program Course of the students’ choosing. Engages students  
in a rigorous and challenging professional academic program to  
advance career research with an emphasis on exploration, analysis,  
and application. Graded on satisfactory/unsatisfactory basis only.  
Permission is required.

SLS 2948  Service Learning Field Study I  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Placement in community agency or other social organizational setting  
related to field of study. Supervision by faculty and agency. Students  
and faculty “customize” courses to fit a full range of services that  
are available in the setting. Student must be able to draw correlation  
between the discipline and field study. Journal and reflective  
experience paper are required. With the agreement of the student’s  
faculty sponsor, a minimum of 4-6 hours per week must be done at the  
field site per semester hour of credit. Permission is required.

SLS 3273  Applied Leadership Development  
3 sh (may not be repeated for credit)  
Supplements and enhances students’ leadership and personal  
development skills. Through readings, discussions, presentations  
and projects, students apply leadership theories and practices to their  
organization and everyday lives.

SLS 3948  Service Learning Field Study II  
1-3 sh (may be repeated for up to 3.0 sh of credit)  
Placement in community agency or other social organizational setting  
related to field of study. Supervision by faculty and agency. Students  
and faculty “customize” courses to fit a full range of services that  
are available in the setting. Student must be able to draw correlation  
between the discipline and field study. Journal and reflective  
experience paper are required. With the agreement of the student’s  
faculty sponsor, a minimum of 4-6 hours per week must be done at the  
field site per semester hour of credit. Permission is required.

**TAXATION Courses**

TAX 3021  Tax For Decision Makers  
3 sh (may not be repeated for credit)  
Prerequisite: FIN 3403  
Coverage of tax topics and how they influence financial and business  
decisions. Available to non-accounting majors only.

TAX 4001  Tax Accounting  
3 sh (may not be repeated for credit)  
Prerequisite: ACG 3101  
Principles of federal income taxation as provided in Internal Revenue  
Code and regulations; added concentration on principles applicable to  
individuals. Landmark cases and significant current treasury releases  
discussed.

TAX 4012  Corporate Income Tax  
3 sh (may not be repeated for credit)  
Prerequisite: TAX 4001  
Federal income taxation of corporations and their shareholders,  
with special emphasis on incorporation, earning, distributions,  
reorganizations, liquidations, and Subchapters. In addition, the  
formation, operation, and termination of partnerships will be studied.  
Offered concurrently with TAX 5105; graduate students will be  
assigned additional work.
TAX 5105  Corporate Income Tax
3 sh (may not be repeated for credit)
Prerequisite: TAX 4001

Federal income taxation of corporations and their shareholders, with special emphasis on incorporation, earnings, distributions, reorganizations, liquidations and Subchapters. Offered concurrently with TAX 4012; graduate students will be assigned additional work.

TAX 6065  Tax Data Bases, Research and Procedure
3 sh (may not be repeated for credit)
Prerequisite: TAX 4001

Interpretative sources of tax laws and their interrelationships plus an analysis of federal tax procedures at the judicial and administrative level.

TAX 6405  Estate and Trust Taxation
3 sh (may not be repeated for credit)
Prerequisite: TAX 4001

Estate and gift taxation and Subchapter J with emphasis on family tax planning.

TAX 6875  Special Topics in Taxation
3 sh (may not be repeated for credit)
Prerequisite: TAX 4001

An advanced course in taxation of individuals and business entities. Intended for students interested in advanced tax issues. Emphasis is placed on topics usually not covered in other tax courses. Ideally suited for exploring the constantly changing federal tax law. Permission is required.

TEACHING ENGLISH AS A SECOND LANGUAGE Courses

TSL 4080  ESOL Principles and Practices
3 sh (may not be repeated for credit)

Designed to provide students with information and skills concerning the education of students who are ELL (English Language Learners). Addresses the 25 ESOL standards. Focuses on methods of teaching ESOL, curriculum and materials, cross cultural understanding, applied linguistics, and testing and evaluation of ESOL students. Offered concurrently with TSL 5085; graduate students will be assigned additional work.

TSL 4081  Empowering Teachers to Teach English to ESOL Students
3 sh (may not be repeated for credit)
Prerequisite: TSL 4080

This is the second of two courses designed to provide students with information and skills concerning the education of students who have limited English proficiency. The course addresses cross-cultural understanding and methods of teaching English to speakers of other languages. It also focuses on the role of applied linguistics in second language teaching and the role and function of assessment of ESOL students.

TSL 4140  ESOL Curriculum and Materials Development
3 sh (may not be repeated for credit)
Prerequisite: TSL 4080

This course builds on knowledge and skills developed in the prerequisite course. It will extend understanding of various ways that language and culture affect second language learners’ participation and learning in K-12 classrooms. This course covers the study of curriculum and materials development for English Language Learners (ELL), reviews the educational theories of language acquisition, learning and literacy, and provides class participants with knowledge of ESOL methodologies. This course will introduce ESOL program models and materials and will cover the integration of language and content. Instruction of second language learners and practical application of course material will be emphasized throughout the class. Offered concurrently with TSL 5142; graduate students will be assigned additional work.

TSL 4251  Applied Linguistics
3 sh (may not be repeated for credit)
Prerequisite: TSL 4080

This course aims to provide the basis linguistic knowledge of phonetics, semantics, pragmatics, syntax, and grammar considered necessary to teach English to English Language Learner (ELL). Students will study the evolution of language, its forms and stratification, and review the theories of first and second language acquisition. Students will participate in the process of applying the linguistics, psycholinguistics, and sociolinguistics to teaching English as a second language with emphasis on pronunciation, intonation, structural analysis, morphophonemic, and decoding from print to sound. In addition, students will apply the knowledge gained to perform contrastive analysis and will use error analysis on the interference problems found with the ESOL students. The course addresses cross cultural understanding and methods of teaching English to speakers of other languages but focuses on the role of applied linguistics in second language teaching and the assessment of ESOL students. Offered concurrently with TSL 5250; graduate students will be assigned additional work.

TSL 4340  Methods of Teaching ESOL
3 sh (may not be repeated for credit)
Prerequisite: TSL 4140

Based on the fundamentals acquired in the prerequisite course, students will learn the history of approaches in language learning and teaching, transitional methods and the most current methods and approaches in teaching English as an additional language. Students will also examine the approaches that are believed to be most effective in teaching English Language Learners (EEL) with and emphasis on the four language modes as well as the development of vocabulary in L2. Offered concurrently with TSL 4345.

TSL 4441  Testing and Evaluation
3 sh (may not be repeated for credit)
Prerequisite: TSL 4080

Provides a general review of the various theories of testing, and knowledge of the nature of testing, its parameters and its pitfalls. Class participants will evaluate widely used language tests, construct and administer language tests, and examine how test scores are used in educational settings. The use of authentic assessment for English Language Learners and the unique role of language will be a focus. Offered concurrently with TSL 5440; graduate students will be assigned additional work.
TSL 4520  Cross Cultural Communication and Understanding  
3 sh (may not be repeated for credit)  
Prerequisite: TSL 4080  
Develops awareness and understanding of the cultures represented by the different language minorities within Florida and the nation; provides an emphasis on research that will enable participants to plan and implement curriculum, instruction, and assessment activities to meet special needs of linguistically and culturally diverse students. 

TSL 5085  ESOL Principles and Practices  
3 sh (may not be repeated for credit)  
Designed to provide students with information and skills concerning the education of students who are ELL (English Language Learners). Addresses the 25 ESOL standards. Focuses on methods of teaching ESOL, curriculum and materials, cross cultural understanding, applied linguistics, and testing and evaluation of ESOL students. Offered concurrently with TSL 4080; graduate students will be assigned additional work. 

TSL 5142  ESOL Curriculum and Materials Development  
3 sh (may not be repeated for credit)  
Covers the study of curriculum and materials development for second language learners. It reviews the educational theories of language acquisition, learning and literacy. It provides class participants with knowledge of the various types of curricula, and the problems and solutions inherent in standardized curricula. Will also introduce ESOL program models currently used in Florida. Students will receive the necessary skills to select and use appropriate ESOL instructional strategies, materials, and classroom use, and to develop their own ESOL instructional units, materials and technologies. Offered concurrently with TSL 4140; graduate students will be assigned additional work. 

TSL 5250  Applied Linguistics  
3 sh (may not be repeated for credit)  
Aims to provide the basic linguistic knowledge of phonetics, semantics, pragmatics, syntax, and grammar needed to teach English to second language learners. Students will study the evolution of language, its forms and stratification, and review the theories of first and second language acquisition. The participants will apply the knowledge gained to do contrastive analysis and will use error analysis on interference problems found with ESOL students. This will take place during a practicum in EFL or ESOL environment. Offered concurrently with TSL 4251; graduate students will be assigned additional work. 

TSL 5345  Methods of Teaching ESOL  
3 sh (may not be repeated for credit)  
Prerequisite: TSL 5142  
Based on the fundamentals acquired in the prerequisite course, students will learn the history of approaches in language learning and teaching, transitional methods and the most current methods and approaches in teaching English as an additional language. Students will also examine the current approaches that are believed to be most effective in teaching English Language Learners (ELLs) with and emphasis on the four language modes as well as the development of vocabulary in L2. Offered concurrently with TSL 4340 (Methods of Teaching ESOL); graduate students will be assigned additional work. 

TSL 5440  Testing and Evaluation  
3 sh (may not be repeated for credit)  
Provides a general review of the various theories of testing, and knowledge of the nature of testing, its parameters and its pitfalls. Class participants will evaluate widely used language tests, construct and administer language tests, and examine how test scores are used in educational settings. The use of authentic assessment for English Language Learners and the unique role of language will be a focus. Offered concurrently with TSL 4441; graduate students will be assigned additional work. 

TSL 5525  Cross Cultural Communication and Understanding  
3 sh (may not be repeated for credit)  
Develops awareness and understanding of the cultures represented by the different language minorities within Florida and the nation; provides an emphasis on research that will enable participants to plan and implement curriculum, instruction, and assessment activities to meet the special needs of linguistically and culturally diverse students. Offered concurrently with TSL 4520; graduate students will be assigned additional work. 

THEATRE PERFORMANCE AND PERFORMANCE TRAINING Courses 

TPP 1282  Voice and Movement for the Stage  
3 sh (may not be repeated for credit)  
Beginning course in the exploration of the sources of voice and movement and the process of developing individual expression and strength. Required of all theatre majors and directed primarily toward preparation for stage work. 

TPP 2100  Acting for Non-majors  
3 sh (may not be repeated for credit)  
Introduction to the process of acting. Work is directed toward bringing a character to life on the stage and communicating this life and relationships with others to an audience. 

TPP 2110  Acting I  
3 sh (may not be repeated for credit)  
An introduction to the process of acting designed for students with some prior experience on stage. Work is directed toward bringing a character to life on the stage and communicating this life and relationships with others to an audience. 

TPP 2190  Rehearsal and Performance  
1 sh (may not be repeated for credit)  
Production involvement in any area of theatre performance. Permission is required. Material and Supply Fee will be assessed. 

TPP 2250  Music Theatre Fundamentals  
2 sh (may not be repeated for credit)  
Co-requisite: TPP 2250L  
This course is designed to introduce students to the theories supporting music readiness. Students will learn and be able to demonstrate skills in sight-reading including rhythm, aural skills, and functional piano. All elements of this course will be tailored to be applicable to the student’s study in musical theatre and will be practiced weekly during lab hours. Permission is required.
TPP 2250L Musical Theatre Vocal Theory Lab
1 sh (may be repeated for up to 3.0 sh of credit)
Co-requisite: TPP 2250
The Lab will provide students the opportunity to execute their skills in music readiness by demonstrating assign concepts on the piano. These will be directly applied to music they are preparing to perform.

TPP 3121 Acting Improvisation
3 sh (may not be repeated for credit)
Prerequisite: TPP 2100 or TPP 2110
Study of improvisational technique through games and exercises.

TPP 3155 Acting II
3 sh (may not be repeated for credit)
Prerequisite: TPP 2110
Co-requisite: TPP 3650
Continues development of the fundamentals of acting through work on scenes from contemporary American theatre. Further develops student’s understanding of the various acting philosophies and techniques of Hagen and Stanislavski.

TPP 3221 Audition Techniques
3 sh (may not be repeated for credit)
Prerequisite: TPP 3155
Techniques for audition in theatre, musical theatre, television, and film including resume preparation and an overview of opportunities in professional acting and graduate school.

TPP 3250 Musical Theatre Performance
3 sh (may be repeated for up to 12.0 sh of credit)
Serving as the capstone to the Musical Theatre B.F.A. Combines the study of vocal technique with acting technique to create a performance ensemble to tour to various venues throughout the region.

TPP 3252C Music Theatre Scene Study
3 sh (may not be repeated for credit)
Prerequisite: TPP 3155
Students will work on scenes and songs from musical theatre repertoire of different styles and/or eras. Work will involve partner work and/or work in small groups.

TPP 3257 Musical Theatre Voice
1 sh (may be repeated for up to 8.0 sh of credit)
Co-requisite: THE 3243 or TPP 3250
Vocal technique and repertoire knowledge necessary for performance in Musical Theatre including breath control, diction, tone production, and interpretation of songs for musical theatre production.

TPP 3260 Acting for the Camera
3 sh (may not be repeated for credit)
Prerequisite: TPP 3155
Adapting the craft of acting to the needs of the TV or film camera. Work in a studio on scenes, daytime serials, commercials. Permission is required. Material and supply fee will be assessed.

TPP 3310 Play Directing
3 sh (may not be repeated for credit)
Prerequisite: TPP 3155
Directing for stage. Lectures and discussions followed by practical application of procedures.

TPP 3650 Script Analysis
3 sh (may not be repeated for credit)
Prerequisite: THE 2000
Co-requisite: THE 2000
Exploration of a variety of styles and historical periods of play scripts through reading and analysis of the text as the basis of performance and production.

TPP 4113 Acting III
3 sh (may not be repeated for credit)
Prerequisite: TPP 1282, TPP 3155
Developing the actor’s timing, vocal, and physical skill to create characters in plays from Restoration, French farce, Theatre of the Absurd, etc.

TPP 4143 Acting: Styles II
3 sh (may not be repeated for credit)
Prerequisite: TPP 1282, TPP 3155
Emphasis on creating requiring skill with language.

THEATRE PRODUCTION AND ADMINISTRATION Courses

TPA 2000 Design for the Theatre
3 sh (may not be repeated for credit)
Play analysis for visual elements and expression. Stylistic sources as springboards to the design idea. Development of visual concepts for productions.

TPA 2200 Technical Theatre
3 sh (may not be repeated for credit)
Co-requisite: TPA 2290L
Methods of constructing and rigging scenery for the stage. Basic scene painting techniques. Stage lighting equipment and its use. Lab required.

TPA 2248 Introduction to Stage Makeup
3 sh (may not be repeated for credit)
Basic principles of the art of stage makeup. Practice in the design and execution of makeup for various purposes. Material and Supply Fee will be assessed.

TPA 2290L Technical Theatre Laboratory
1 sh (may not be repeated for credit)
Co-requisite: TPA 2200
A practical laboratory for application of technical theatre skills. Material and supply fee will be assessed.

TPA 3018 Design Portfolio
3 sh (may not be repeated for credit)
Prerequisite: TPA 2000, TPA 2200
Co-requisite: TPA 4045
Building a design portfolio for submission for employment in professional theatre or graduate school. Survey of employment opportunities in professional theatre and graduate school. Portfolio presentation and interview skills.
Introduction to the work of the lighting designer through theoretical design projects and light lab projects. The theoretical designs cover the design process that the lighting designer uses to light a theatrical production. Each theoretical design introduces new concepts and challenges for the designer. The light lab projects build your ability to understand light and how to use light in a theatre situation. Projects also build in complexity and add to the overall design experience.

Prerequisite: TPA 2000

3 sh (may not be repeated for credit)

TPA 3060  Scene Design I

Scene design is a complex combination of artist, painter, sculptor, actor, and director. Designers need to be able to envision the script and translate it to a three dimensional space, interpret how the actor is going to move in the space and how the director will compose the stage picture. Course examines those aspects of design and through theoretical projects explores visualizing a script in theatrical space.

Prerequisite: TPA 2200

3 sh (may not be repeated for credit)

TPA 3220  Lighting Technology

Advanced study of the lighting equipment, dimmers, control, and other electronics used in the Theatre.

Prerequisite: TPA 2200

3 sh (may not be repeated for credit)

TPA 3230  Costume Construction

Techniques of patterning, cutting, fitting, draping, and basic construction of stage costumes. Material and supply fee will be assessed.

Prerequisite: TPA 2200

3 sh (may not be repeated for credit)

TPA 3259  Lighting Design

Theory and application of lighting design for the theatre. Use of CAD (Computer Aided Design) in lighting design projects.

Prerequisite: TPA 2200, TPA 2290L, TPP 3650

Co-requisite: TPA 2000, TPP 3650

3 sh (may not be repeated for credit)

TPA 3313  Scenic Technology

Advanced study of theatrical construction techniques, rigging, materials, hardware, and their use in the Theatre. In addition, the study of drafting for construction drawing, budgeting, time estimations and theatre safety.

Prerequisite: TPA 2200

3 sh (may not be repeated for credit)

TPA 3344  Drafting for the Stage

Drafting is a very important communication tool for designers and technicians in the theatre, allowing them to give precise directions on how to project is to be implemented. Students gain an understanding of drafting tools to effectively communicate ideas in a clear and precise form.

Prerequisite: TPA 2200

3 sh (may not be repeated for credit)

TPA 3601  Stage Management

Stage Managers work with Things and People. Course clarifies the Things to work with as a Stage Manager and the techniques needed to work effectively with them. Discusses different methods to use with the myriad of people and personalities encountered in the Theatre. Improvisation and class discussion are employed to examine how to work more effectively with everyone on a production.

Prerequisite: TPA 3020

3 sh (may not be repeated for credit)

TPA 4021C  Lighting Design II

Advances the study of the design process involved in lighting design. Theoretical design projects and light lab projects are used to give the student challenges in the classroom that can be directly translated to the design process. Theoretical projects in a variety of design venues and types of theatre with lab projects that further build the designer's resources.

Prerequisite: TPA 3020

3 sh (may not be repeated for credit)

TPA 4045  Costume Design I

Introduction to theatrical costume design for the stage using the design principles of line, shape, space, color, form, texture, and size. Permission is required.

Prerequisite: TPA 2000

3 sh (may not be repeated for credit)

TPA 4046  Costume Design II

Advanced theatrical costume design for the stage using the design principles of line, shape, space, color, form, texture, and size.

Prerequisite: TPA 4045

3 sh (may not be repeated for credit)

TPA 4060  Scene Design II

Advanced projects in scene design examine the challenges involved in designing in a variety of different venues and types of production. Expands the designer's tools to communicate their design idea to the director.

Prerequisite: TPA 3060

3 sh (may not be repeated for credit)

TPA 4077  Scene Painting

Practice in various techniques of scene painting. Consideration of pigments, color mixing, kinds of paints, paint equipment and its care. Material and supply fee will be assessed.

Prerequisite: TPA 2200

2 sh (may not be repeated for credit)

TPA 4504  Performing Arts Administration

Various aspects involved in the administration of a Performing Arts Organization. Special attention will be paid to the interrelationship in both goals and administration among various performing arts institutions including theatres, opera companies, and symphonies. Lectures and class discussion will provide an overview of the different areas of non-profit performing arts administration (including organizational structures, marketing, fundraising, grant writing, financial management, and producing) and applying these skills to the unique needs of a theatre company or other performing arts organization.
THEATRE STUDIES AND GENERAL RESOURCES Courses

THE 2000   The Theatre Experience  
3 sh (may not be repeated for credit)  
Role of theatre in contemporary American culture. Arts and craft of theatre, including drama, criticism, acting and production. (General Studies Course: HUM/FA).

THE 2300   Survey of Dramatic Literature  
3 sh (may not be repeated for credit)  
Survey of play scripts representing a succinct history of Western drama. (General Studies Course: HUM/FA), (Gordon Rule Course: Wrtg).

THE 2925   Play Production  
1 sh (may not be repeated for credit)  
Study and participation in the preparation and production of plays and/ or musicals. Material and Supply Fee will be assessed.

THE 3090   Theatrical Production & Performance  
1 sh (may be repeated for up to 9.0 sh of credit)  
Individualized study in all areas of theatrical production and performance through apprenticeship on departmental productions during a semester. Completion of all lower division common prerequisites is required. Material and Supply Fee will be assessed.

THE 3112   History of Theatre I  
3 sh (may not be repeated for credit)  
Theatre history from origins through the eighteenth century.

THE 3113   History of Theatre II  
3 sh (may not be repeated for credit)  
Theatre history from eighteenth century through the present.

THE 3243   Musical Theatre History  
3 sh (may not be repeated for credit)  
History and development of musical theatre from origins to present.

THE 3306   Dramatic Literature II  
3 sh (may not be repeated for credit)  
Prerequisite: THE 2300  
A survey of play scripts representing important contributions from various genres of Western Theatre from the Greeks through contemporary Drama.

THE 3481   Dramaturgy  
3 sh (may not be repeated for credit)  
Prerequisite: TPP 3650  
Co-requisite: TPP 3650  
An overview of various dramaturgical principles in a theatrical text. The topics are the relationship between text an co-text, the time-space relations, levels of narration, character construction, the adaptation from literature to stage, and the relationship of the text to society and art.

THE 4260   Costume History  
3 sh (may not be repeated for credit)  
Historical periods of costume and fashion from ancient times to the present, their relation to theatre history, and potential use as sources for theatrical costume design.

THE 4970   Senior Project  
3 sh (may not be repeated for credit)  
Preparation and completion of performance or design presentation as culminating project for the Bachelor of Fine Arts or Bachelor of Arts degree. Permission is required.

THE 4972   Senior Project Seminar  
1 sh (may not be repeated for credit)  
Planning, writing, and researching a proposal for the Senior Project. To be taken the semester prior to the Senior Project. Permission is required.

TRANSPORTATION AND LOGISTICS Courses

TRA 3153   Strategic Transportation Management  
3 sh (may not be repeated for credit)  
Prepresents the fundamental elements necessary to plan transportation systems. It examines the importance of transportation in the economy and the strategic and operational roles of transportation in supply chains. Emphasis is placed on domestic and global transportation operations, services pricing, carrier selection, equipment and shipment planning, transportation execution systems, intermodal operations, security, and expanded services in distribution.

ZOOLOGY Courses

ZOO 1010   General Zoology  
4 sh (may not be repeated for credit)  
Co-requisite: ZOO 1010L  
Introduction to the basic principles in animal biology presented as an integrated review of morphology, physiology, genetics, development, systematics, evolution and ecology. Provides foundation for further study in zoology. Material and supply fee will be assessed for corresponding lab. (General Studies Course: NS/LEC).

ZOO 1010L   General Zoology Lab  
0 sh (may not be repeated for credit)  
Co-requisite: ZOO 1010  
Corresponding lab for General Zoology.

ZOO 3558   Coral Reefs  
3 sh (may not be repeated for credit)  
The Coral Reefs is a non-biology major course designed to provide a general overview of tropical and sub-tropical coral reefs to students with an interest in these fascinating ecosystems, but who lack a strong theoretical background in the biological sciences. Covers basic concepts dealing with the structure, formation, biology and ecology of Atlantic and Pacific coral reefs. Students will be presented with interactive exercises, projects, and module-assessments throughout the course that will reinforce major biological concepts and promote critical thinking.

ZOO 4254   Marine Invertebrate Zoology  
4 sh (may not be repeated for credit)  
Prerequisite: ZOO 1010, ZOO 1010L  
Co-requisite: ZOO 4254L  
Survey of the invertebrates, with emphasis on systematics, morphology, physiology and ecology. Labs include detailed study of types and exposure to diversity, using live and preserved specimens, and exposure to techniques used in zoological research. Emphasis is on local marine species. Material and supply fee will be assessed for corresponding lab.
ZOO 4254L  Marine Invertebrate Zoology Lab
0 sh (may not be repeated for credit)
Co-requisite: ZOO 4254

Corresponding lab for Marine Invertebrate Zoology.

ZOO 4304  Marine Vertebrate Zoology
4 sh (may not be repeated for credit)
Co-requisite: ZOO 4304L

Structure and function of chordates, especially those in water such as fish, whales and seals. Study of behavioral, ecological, physiological and structural adaptations to various modes of living, stressing local marine forms in lab. Material and supply fee will be assessed for corresponding lab.

ZOO 4304L  Marine Vertebrate Zoology Lab
0 sh (may not be repeated for credit)
Co-requisite: ZOO 4304

Corresponding lab for Marine Vertebrate Zoology.

ZOO 4454  Elasmobranch Biology
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045, CHM 2045L, ZOO 1010, ZOO 1010L

Survey of current advances in the rapidly growing field of elasmobranch biology. Lectures promote an understanding of the interactive physiological, behavioral, and ecological components of adaptive life-history strategies seen in sharks, rays, skates and chimeras. Offered concurrently with ZOO 5452; graduate students will be assigned additional work.

ZOO 4457  Fish Physiology
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045, CHM 2045L, PHY 2053, PHY 2053L

Classic and contemporary topics in fish physiology discussed within an ecological and evolutionary context. Emphasis is placed on understanding interactive physiological components of adaptive life-history strategies such as movement, feeding, reproduction, oxygen uptake, water balance, and excretion. Offered concurrently with ZOO 5458; graduate students will be assigned additional work.

ZOO 4458  Marine Mammalogy
3 sh (may not be repeated for credit)
Prerequisite: PCB 4043, PCB 4043L, ZOO 1010, ZOO 1010L

Comparative study of cartilaginous and bony fishes, emphasizing structural and functional adaptations to their modes of living, origins, distribution, classification, adaptive radiation, embryology, and environmental requirements. Material and supply fee will be assessed. Offered concurrently with ZOO 5881C; graduate students will be assigned additional work.

ZOO 5452  Elasmobranch Biology
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045, CHM 2045L, ZOO 1010, ZOO 1010L

Survey of current advances in the rapidly growing field of elasmobranch biology. Lectures promote an understanding of the interactive physiological, behavioral, and ecological components of adaptive life-history strategies seen in sharks, rays, skates and chimeras. Offered concurrently with ZOO 4454; graduate students will be assigned additional work.

ZOO 4880C  Fisheries Biology
4 sh (may not be repeated for credit)

Comparative study of cartilaginous and bony fishes, emphasizing structural and functional adaptations to their modes of living, origins, distribution, classification, adaptive radiation, embryology, and environmental requirements. Material and supply fee will be assessed. Offered concurrently with ZOO 4880C; graduate students will be assigned additional work.
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