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University of West Florida Catalog

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 an Emerald Coast campus which includes the Joint NWFSC/UWF Campus, Hurlburt Field office, and other locations.

The University of West Florida Historic Trust manages the University of West Florida’s 8.5-acre downtown campus, Historic Pensacola, along with the Arcadia Mill archeological site in Santa Rosa Co. The Trust is a corporation serving as a Direct Support Organization of UWF, nurturing a cultural heritage tourism destination of 29 historic museums and properties on the Historic Pensacola campus of UWF, as well as Arcadia Mill in Milton, Florida. Historic Pensacola is a living laboratory providing University students the opportunity to live, work, and study in a National Register Historic District.

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 12,596 students in its College of Arts, Social Sciences, and Humanities, College of Business, College of Education and Professional Studies, College of Health, the Hal Marcus College of Science and Engineering, and University College has conferred more than 84,603 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 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

For information about the University’s institutional-level accreditation status, visit [http://uwf.edu/sacscoc](http://uwf.edu/sacscoc).

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

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<tr>
<td>College of Business</td>
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<td>Computer Engineering</td>
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</tr>
<tr>
<td>Music</td>
<td>National Association of Schools of Music (NASM)</td>
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</tr>
<tr>
<td>Nursing</td>
<td>Commission on Collegiate Nursing Education (CCNE)</td>
<td>B.S.N. M.S.N.</td>
</tr>
<tr>
<td>Professional Education Unit/Teacher Education Programs</td>
<td>Council for the Accreditation of Educator Preparation (CAEP)</td>
<td>B.A. M.A. M.Ed. Ed.S. Ed.D.</td>
</tr>
<tr>
<td>Psychology (Counseling &amp; Industrial Organizational Programs)</td>
<td>Master’s in Psychology M.A. and Accreditation Council (MPAC)</td>
<td></td>
</tr>
<tr>
<td>Public Health</td>
<td>Council on Education for Public Health (CEPH)</td>
<td>M.P.H.</td>
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</tbody>
</table>

The Professional Education Unit (including teacher preparation programs in the Department of Teacher Education and Educational Leadership, the Department of Exercise Science & Community Health, the Department of Music, and TeacherReady® ([http://www.teacherready.org](http://www.teacherready.org)) is currently accredited by the National Council for Accreditation of Teacher Education (NCATE ([http://ncate.org](http://ncate.org))). This accreditation covers initial teacher preparation programs (traditional and alternative) and advanced educator preparation programs at the Pensacola and online campuses. However, the accreditation does not include individual education courses that the institution offers to P-12 educators for professional development, relicensure, or other purposes. In preparation of UWF’s upcoming accreditation visit in 2019, the Professional Education Unit is currently aligning the educator preparation programs to the new Council for the Accreditation of Educator Preparation (CAEP ([http://caepnet.org](http://caepnet.org))) standards of educator preparation. At the state level, all initial certification programs have received approval by the Florida Department of Education (FLDOE) ([http://www.fldoe.org/core/fileparse.php/7721/urlt/universitywestflorida.pdf](http://www.fldoe.org/core/fileparse.php/7721/urlt/universitywestflorida.pdf)).

**Supporting Documentation:**

## 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, Social Sciences and Humanities
The College of Arts, Social Sciences, and Humanities at the University of West Florida is committed to the educational enrichment and professional development of students. The college’s mission is to provide:

- distinctive programming that serves quality students through engaging high-impact practice in and beyond the traditional classroom
- distinctive faculty activity that advances the academic enterprise and enriches the campus discussion, and
- distinctive partnerships that meet local and regional needs and contribute to intellectual life of the community.

The college supports its faculty and staff through strategically investing its resources, highlighting efforts and success, soliciting additional sources of funding, broadening and reinforcing its alumni network, and connecting educational effort with student outcomes to showcase UWF as an intellectual and cultural center of excellence.

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 success in business and society and contributes to the advancement of the educational and economic development of the Northwest Florida region.

College of Education and Professional Studies
The mission of the College of Education and Professional Studies 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.

College of Health
The mission of the College of Health (COH) is to provide a high quality education to current and future health and wellness professionals in a learning environment infused with interprofessional education, innovative research, hands-on practicums, and diverse engaging community activities. COH promotes the production of highly competitive graduates as judged by the highest academic standards in the fields of health.

Hal Marcus College of Science and Engineering
The mission of the Hal Marcus College of Science and Engineering (HMCSE) at the University of West Florida is to provide innovative programs of excellence in education, research, and public and professional service at both the undergraduate and graduate levels. The College promotes the production of highly competitive graduates as judged by the highest academic standards in the fields of science, technology, engineering, and mathematics (STEM).

University College
University College is focused on establishing relationships with incoming students by helping them to build a firm academic foundation. Students will be provided with academic and social support as well as high impact learning opportunities as they make the journey to graduation.

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 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,[1] 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.

Caring: Maintaining a safe and dynamic learning and working environment that fosters the development of individual potential.

Collaboration: Promoting a culture of supportive and cooperative interactions and communication to advance and achieve shared expectations and goals.

Distinctiveness: Choosing to be different by design.

Inclusiveness: Welcoming, respecting, and celebrating the ways in which people and ideas are different and the ways in which they are similar.

Innovation: Exploring, expanding, and enhancing learning and knowledge through transforming experiences.

Integrity: Doing the right thing for the right reason.

Quality: Committing to uncompromising excellence.

Relevance: Adding value to enrich the personal and community lives of stakeholders.

Stewardship: Managing responsibly the resources entrusted to the University.
### Strategic Directions and UWF Priorities

#### Strategic Direction 1: Enhanced Student Access, Progression, and Learning and Development

| UWF Priority 1.1. | Foster student learning and development to include the knowledge, skills, and dispositions that optimize students’ prospects for personal and professional success. |
| 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. |

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[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

Each student should be aware of the dates and deadlines in the current official Academic Calendar (http://uwf.edu/offices/registrar/resources/academic-dates-and-deadlines) as published on the Office of the Registrar website (http://uwf.edu/offices/registrar). The Academic Calendar contains dates and deadlines for admission applications, changes in residency status, class registrations, fee payments, grade forgiveness options, pass/fail options, course registration changes (drop/add), course withdrawals, and graduation applications.
Campuses

In this section:

- Pensacola Campus (http://uwf.edu/about/location/university-locations)
- Emerald Coast Campuses (http://uwf.edu/emeraldcoast)
- Online Campus (http://onlinecampus.uwf.edu)
- Southern Regional Education Board's (SREB) Electronic Campus (http://electroniccampus.org)
Governance, Administration and Faculty

In this section:
• Governance and Administration (p. 9)
• Faculty (p. 9)

Governance and Administration

Florida Board of Governors
• Richard A. Beard III (term 2/18/2010 - 1/6/2017)
• Dean Colson (term 1/6/2010 - 1/6/2017)
• Daniel Doyle, Jr. (term 3/10/2014 - 1/6/2017)
• Patricia Frost (term 1/6/2010 - 1/6/2017)
• Tonnette Graham, (Chairman, Florida Student Association)
• Morteza "Mori" Hosseini (term 1/6/2010 - 1/6/2017)
• H. Wayne Huizenga, Jr. (term 1/10/2013 - 1/6/2020)
• Ned C. Lautenbach (term 1/10/2013 - 1/6/2019)
• Alan Levine, (term 1/10/2013 - 1/6/2020)
• Wendy Link (term 1/10/2013 - 1/6/2020)
• Edward Morton (term 1/10/2013 - 1/6/2020)
• Katherine Robinson (term 8/4/2014 - 7/31/2016)
• Pam Stewart (Commissioner of Education)
• Norman D. Tripp (term 3/8/2013 - 1/6/2020)
• Fernando J. Valverde (term 12/18/2015 - 1/6/2019)

UWF Board of Trustees
• Lewis Bear, Jr., Chair
• Dick Baker
• Greg Britton
• Dave Cleveland
• Ted Fox, Faculty Senate President
• Robert Jones
• Suzanne Lewis
• Timothy May
• Daniel McBurney, SGA President
• Mort O'Sullivan, III, Vice Chair
• Jay Patel
• Bob Sires
• Bentina Terry

Executive Officials
• Judith A. Bense, President
• Martha Saunders, Provost and Executive Vice President
• Kevin Bailey, Vice President for Student Affairs
• Steve Cunningham, Vice President for Finance and Administration
• Brendan Kelly, Vice President for University Advancement

• George Ellenberg, Vice Provost
• Pam Northrup, Senior Associate Provost and CEO Innovation Institute
• Kim LeDuff, Associate Vice Provost; Chief Diversity Officer; Dean, University College
• John (Jay) Clune, Associate Vice Provost for Academic Programs
• Joffrey Gaymon, Associate Vice President for Enrollment Affairs
• Rick Harper, Associate Vice President for Center for Research and Economic Opportunity
• Janice Gilley, Assistant Vice President, Government and Community Relations
• Pat Lott, General Counsel
• Steven Brown, Dean, College of Arts, Social Sciences, and Humanities
• William Crawley, Dean, College of Education and Professional Studies
• Robert Dugan, Dean, University Libraries
• Michael Huggins, Dean, Hal Marcus College of Science and Engineering
• Ermalynn Kiehl, Dean, College of Health
• Timothy O'Keefe, Dean, College of Business

Faculty

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

Faculty Emeriti
http://uwf.edu/offices/academic-affairs-division/award-winners---names/emeritus/

Campus Crime Information

University Police
• Argo Alert
• Campus Escort
• Emergency Management

Refer to information on UWF Police (http://uwf.edu/offices/police).

Campus Sex Crime Prevention Act
This federal law (http://offender.fdle.state.fl.us/offender/LegalBulletin.jsp#CSCPA) 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/uwfpolice/ 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 the University. 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/uwfpolice/. Students may also obtain a copy of this information upon request by contacting the University Police Department.

**Student Ombudsperson**

**Student Ombudsperson**

Refer to Dean of Students Office, Student Ombudsperson (http://uwf.edu/offices/dean-of-students/dean-of-students/student-ombudsperson).

**Student Advocate**

Refer to Dean of Students Office, Student Advocate (http://uwf.edu/offices/dean-of-students/dean-of-students/student-advocate).
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. 12)
• Transfer Admissions (p. 14)
• International Admissions (p. 17)
• General Readmission (p. 18)
• Appeal of Admission Denial (p. 19)

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 transferrable college credit, as defined in UWF/REG 3.001(1), 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 (“BOG”) 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 sub-paragraph (6). Applicants that are participants in a Home Education or Other Non-Traditional High School Program must refer to sub-paragraph (7). (Students admitted under the Early Admission Program are exempted from this requirement.)

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

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

4. Students Admitted Prior to Spring 2017 shall be considered as meeting minimum eligibility requirements for the BOG in one of the following ways:
   a. An FTIC student may be admitted if he/she has 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 electives,
and presents an official SAT and/or ACT Plus Writing scores, 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 electives and the following test scores: SAT – Critical Reading # 460; or ACT – Reading # 19; - SAT – Mathematics # 460; or ACT – Mathematics # 19; - SAT – Writing # 440; or ACT – English/Writing # 18

5. Students Admitted Spring 2017 and Later shall be considered as meeting minimum eligibility requirements for the BOG in one of the following ways:

a. An FTIC student may be admitted if he/she has 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 electives, and presents an official SAT and/or ACT, 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 electives and present an official SAT (or its corresponding score on the redesigned SAT, based on an official Evidenced-Based Reading/Writing Section and Math Section concordance from the College Board after the administration of the first redesigned SAT) or ACT with the following test scores – Critical Reading or concorded score from rSAT Evidence-Based Reading & Writing score # 460; or ACT – Reading # 19; - SAT – Mathematics # 460; or ACT – Mathematics # 19

6. Applicants presenting a GED must present official GED results, official transcripts of any partial high school completion, and ACT Plus Writing and/or SAT Reasoning Test (critical reading, and math). In addition to the test score requirements list above in 4. or 5. (a) and (b), GED applicants must receive a minimum composite score of 21 on the ACT Plus Writing Test, or an overall combined test score of 1450 on the SAT Reasoning Test (critical reading, math, and writing). Students admitted spring 2017 or later may submit the ACT scores without an essay or SAT (critical reading and math) with a composite of 1010

7. Applicants participating in a Home Education or Non-Traditional High School Program must present a transcript from the Home School Education Program (all units must be listed in Carnegie Units) and a document from their county stating that the applicant meets high school graduation requirements. In addition to the test score requirements list above in 4. or 5. (a) and (b), Home Education or Non-Traditional High School Program applicants must receive a minimum composite score of 21 on the ACT Plus Writing Test, or an overall combined test score of 1450 on the SAT Reasoning Test (critical reading, math and writing). Student admitted spring 2017 or later may submit the ACT without an essay, or an overall combined test score of 1010 on the SAT Reasoning Test (critical reading and math)

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 “First Time In College Student Admission” 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 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 and supporting documents (i.e., all transcripts and test scores) 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 submit a Semester Change Request Form and the form must be 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 planned 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.

First time in college 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 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 Decision Committee.

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.

Early Admission

Early Admissions is a type of dual enrollment reserved for high school students entering their senior year. Early Admission will be evaluated on a case by case basis and requirements will vary from county to county. To be considered for Early Admission, students must have completed their junior year of high school and meet all requirements (including, but not limited to, ACT/SAT scores) outlined in the articulation agreement between UWF and the respective school district. If such requirements are not outlined in the articulation agreement, Early Admits must have a minimum total score of at least a 1450 on the SAT Reasoning Test (critical reading, math and writing) or a minimum composite score of at least a 21 on the ACT Plus Writing Test and a letter of recommendation from their high school principal to be considered. Registration for the Fall semester following their initial entrance semester will be contingent upon receiving proof of high school graduation.

Deadlines for Applications and Supporting Documents

(For all scholarship consideration deadlines please see our website)

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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 transferrable 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 30 semester hours of transferrable college credit must meet the transfer admission requirements set forth below under Transfer Student Admission, 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 30 semester hours but less than 60 semester hours of transferrable college credits must meet the transfer admission requirements set forth below under Transfer Student Admission, and must have completed (C or higher) at least one English composition course and one college level mathematics course that consists of three semester credit hours. High school transcripts may be required to demonstrate completion of the foreign language admission requirement. Students not meeting these requirements must meet the requirements for transfer students with less than 30 transferrable semester hours.

c. Transfer applicants with 60 or more semester hours of transferrable college credits must meet the transfer admission requirements set forth below under Transfer Student Admission.

- 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 transferrable post-secondary credits;
- Satisfy the minimum admission requirements for entering FTIC students (See UWF Regulation 3.001) if transferring with fewer than 30 semester hours; and if transfer- ring with 30 or more but less than 60 semester hours, have completed one English composition course and one college level mathematics course that consist of three semester credit 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 community college, 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 Transfer Student Admission 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 program from the department.

General Application Processing for Transfer 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 and supporting documents (i.e.; transcripts and test scores) 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 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 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 2014 semester could change the semester of entry to the spring 2015 semester or the summer 2015 semester, but not the fall 2015 semester.

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.

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.

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.

d. Applicants who request to change their semester of entry will be re-evaluated for admission using the admissions requirements and selection criteria in effect for the new semester requested.

e. 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.

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 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 Admission Decision Committee.

Undergraduate Transfer Credit Processing

- The receipt and evaluation of transfer credits is the responsibility of the Office of Undergraduate Admissions. In addition, the Office of Undergraduate Admissions evaluates General Education, Gordon Rule, 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 Admissions. 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 the 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 be 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.

- 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.

**Deadlines for Applications and Supporting Documents**

(For all scholarship consideration deadlines please see our website (http://uwf.edu/admissions/undergraduate/cost-and-financial-aid/awards-and-scholarships))

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### International Undergraduate Admissions

Applicants 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 encompassed 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, 3.032, 3.033 and 3.042, Florida Board of Governors (BOG) Regulations 6.001, 6.002, 6.003, 6.004, and 6.009, and the requirements therein.

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:

     1. That he or she is from a country where English is the official language; or

     2. 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

     3. That 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
4. 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

5. 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 English 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 76/77. (Consult the Undergraduate Catalog for sub-score requirements and for specific program requirements, which may be higher.)

1. Undergraduate applicants must have a 2.5 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:

   a. 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.

   b. Documentation of MMR (measles, mumps and rubella) immunization, and

   c. 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 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.

**Deadlines for Applications and Supporting Documents**

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**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, as a returning student. 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. Appeals are encouraged if an applicant believes the decision was inequitable because of some extenuating circumstance or revealed 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 (http://uwf.edu/offices/financial-aid).

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 (http://uwf.edu/offices/military-veteran-resource-center).

Mandatory Immunization Health History Form
The University of West Florida (UWF), in compliance with Florida Statute (1006.69) and Florida Board of Governors Regulations (6.001 & 6.007), requires the completed UWF Mandatory Immunization Health History Form to be submitted to UWF Student Health Services as a prerequisite to matriculation or registration.

It is requested that the UWF Mandatory Immunization Health History Form be submitted to Student Health Services at least three (3) weeks prior to registration for timely processing. Late, incomplete, or inaccurate information may delay registration.

Follow these links for more information: Mandatory Immunization Health History Form (http://uwf.edu/offices/student-health-services/immunizations/uwf-online-immunization-form), and UWF Student Health Services (http://uwf.edu/offices/student-health-services).

Immunization Requirements
Refer to information on UWF Immunization Policy (http://uwf.edu/offices/student-health-services/immunizations/uwf-immunization-policy).

Immunization Exceptions/Waivers
Refer to information on UWF Immunization Exceptions and Waivers (http://uwf.edu/offices/student-health-services/immunizations/immunization-exceptions-and-waivers).

Submission of Documentation
Return the completed Mandatory Immunization Health History Form (http://uwf.edu/offices/student-health-services/immunizations/uwf-online-immunization-form) to Student Health Services (http://uwf.edu/offices/student-health-services) (SHS) via:

- **Drop Off:** Drop the form in the Immunization box at the front entrance of the Student Wellness Center (Building 960)
- **Email:** immunizations@uwf.edu
- **Fax:** (850) 857-6100 or
- **Mail:** University of West Florida, 11000 University Pkwy, Building 960 - Suite 106, Pensacola, Florida, 32514

MyUWF
New students may check their admission status through MyUWF (http://uwf.edu/offices/help-desk/myuwf-and-argonet/myuwf) at my.uwf.edu. Once admitted, students may also check their financial aid status (https://confluence.uwf.edu/display/public/Viewing+Financial+Aid+Status) and register for classes (http://uwf.edu/go/registration) through MyUWF.

Register for Classes
Refer to information on Registration Policies and Procedures (http://catalog.uwf.edu/graduate/academicpolicies/registration). A Registration Guide (https://confluence.uwf.edu/display/public/Student+Registration+Checklist) to assist with the 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 (http://uwf.edu/offices/business-auxiliary-services/nautilus-card/nautilus-card-overview). Refer to information on Tuition and Fees (http://catalog.uwf.edu/graduate/tuitionandfees).

Obtain Parking Permit
Parking a vehicle on campus requires a parking permit (http://uwf.edu/offices/business-auxiliary-services/parking-and-transportation/parking-permits) which may be purchased online through MyUWF at my.uwf.edu and search for ‘parking’.

Confirm Residency for Tuition Purposes
Refer to information on Residency (http://catalog.uwf.edu/graduate/residencyfortuitionpurposes).

Pay Tuition and Fees
Refer to information on Tuition and Fees (http://catalog.uwf.edu/graduate/tuitionandfees).

Review Student Rights and Responsibilities
Review the **Student Handbook and Planner** for more information on topics below. The **Student Handbook and Planner** is available in print from the Dean of Students Office and is available online; refer to the **Student Handbook** (http://uwf.edu/studenthandbook).

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 (http://uwf.edu/offices/dean-of-students/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**. Also refer to Appeals and Grievances (http://uwf.edu/offices/dean-of-students/student-appeals-processes).

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 favors, 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, who 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.

**New Student Orientation - Freshman and Transfer Students**

Refer to information on Orientation (http://uwf.edu/admissions/orientation).

New freshmen and transfer students must attend Orientation prior to registration. For additional information, please see the Orientation website (http://uwf.edu/admissions/orientation). Please use the Student Schedule Organization Tools (https://confluence.uwf.edu/display/public/Student+Schedule+Organization+Tools) for assistance with organizing your schedule.

**Academic Advising**

Refer to information on Progress to Degrees and Academic Advising (p. 41).
Undergraduate Academic Policies

In this section:
- AA Degree Forgiveness (p. 23)
- Academic Programs and Curricula (p. 24)
- Academic Standing (p. 26)
- Appeals/Waivers/Exceptions (p. 27)
- Class Attendance (p. 29)
- Degree Audit System (p. 30)
- Degree Requirements (p. 31)
- Enrollment (p. 33)
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- Graduation Honors (p. 40)
- Progress to Degrees (p. 41)
- Registration (p. 42)
- Student Records (p. 44)
- Senior Citizen Tuition Waiver (http://uwf.edu/offices/registrar/tuition--fees/senior-citizen-tuition-waiver)
- State Employee Tuition Waiver (http://uwf.edu/offices/registrar/tuition--fees/state-employee-tuition-waiver)
- Transcripts (http://uwf.edu/offices/registrar/grades--transcripts/transcripts)
- Transfer Credit (p. 46)
- Transient Student (http://uwf.edu/offices/registrar/registration/transient-students)
- University Requirements (p. 48)
- Withdrawal (p. 53)
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 as attempted credit hours, 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 Education 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 Education and Gordon Rule requirements.

A.A. Forgiveness does not exclude UWF attempted credit hours from Excess Hour Surcharge. Refer to Excess Hour Surcharge (http://uwf.edu/offices/registrar/registration/excess-hours).
Academic Programs and Curricula

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

GPA Requirement/Academic Standing: A minimum 2.00 UWF GPA is required to change/declare majors, double majors, and dual degrees. Major approval, based on GPA and department requirements, is determined by the department offering the new major. 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 or Dean of the prospective department. Students should contact the department offering the new major for guidance and review.

Undergraduate students, including lower-division students, must submit a Change of Major Form (http://uwf.edu/offices/registrar/resources/forms/#den86370) request to the Office of the Registrar to enter a different major. Students may change their major once per semester. Students are not permitted to change majors after they have earned 90 hours unless the new major can be completed within the same time-frame as the previous major. Change of majors must be submitted prior to the end of drop/add for the major to be applicable to the current semester. Program approval is determined by the advisor of the department offering the new program. 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 should contact the academic advisor of the prospective program for guidance.

Double Major and Dual Degree

For information on double majors and dual degrees, please see Graduation and General Degree Requirements (p. 31).

Minors

A minimum 2.0 UWF GPA is required to change/declare minors. Minor approval, based on GPA and department requirements, is determined by the department offering the new minor.

A student may declare/change a minor by submitting the Minor Declaration Form (http://uwf.edu/offices/registrar/resources/forms/#den86370). 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 only awarded in conjunction with the receipt of a baccalaureate degree and are recorded only on the academic transcript.

Forms related to graduation, as well as other important information related to the graduation process are found in the Graduation Guide (http://uwf.edu/offices/registrar/graduation-guide) section of the Office of the Registrar 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. Students wishing to pursue a certificate at any level should complete a Declaration of Certificate form (http://uwf.edu/offices/registrar/resources/forms/#den86376). Contact the academic department offering the certificate program for more information, including application procedures. Refer to Certificate Program information (p. 77).

Choice of Catalog

Continuous Enrollment and Catalog Year

Catalog year determines the set of academic requirements (general education and the major) that must be fulfilled for graduation. Generally, the Catalog year is determined at the time of admission or when a student changes majors. Students also have the option of choosing the Catalog year in effect at the time of graduation. Students must follow a single catalog, not a combination of catalogs, to meet graduation requirements.

A student who has completed at least 1 credit within three consecutive semesters (summer included) is considered to have satisfied the minimum requirements for “continuous enrollment.”

Continuously Enrolled Degree-seeking Students

The catalog year for an undergraduate student’s program (General Education 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 Education Certification**

Students holding the A.A. or certification of the completion of General Education 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.
Academic Standing

Good Academic Standing
Undergraduate students are expected to maintain a 2.00 or higher cumulative UWF GPA. Students are in good standing if they meet the minimum GPA standards based on GPA hours.

GPA Standard
- 0-15.99 GPA Hours = 1.60
- 16 – 29.99 GPA Hours = 1.8
- 30.00 or more GPA Hours = 2.0

Students on probation or suspension are not considered to be in good academic standing.

Academic Warning
Applies only to students who have less than 30 sh (GPA hours) whose UWF cumulative GPA is within the range listed below. Academic warning is considered a good standing status as the student is not on probation. This status is a warning applied to students early in their academic career that academic improvement is needed.

- 0 – 14.99 GPA Hours – 1.60 – 1.99
- 15 – 29.99 GPA Hours – 1.80

*FTIC students who are placed on academic warning may be required to enroll in a 1-credit hour Academic Foundations course, participate in structured mentoring activity during the following semester, or participate in other activities or classes deemed appropriate by the University.

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 UWF grade point average (GPA) is below the minimum listed will be placed on academic probation by the student’s college.

- 0-15 GPA Hours - below 1.60 cumulative UWF GPA
- 16-30 GPA Hours - below 1.80 cumulative UWF GPA
- 30 or more GPA Hour - below 2.00 cumulative UWF GPA

Students who are on probation are limited to 14 semester hours for registration to assist with academic success. Overrides may be granted by the academic advisor for extenuating circumstances. Students who are on probation, and make sufficient academic progress during the term of probation, may be continued on probation. Generally, students who achieve a semester UWF GPA of 2.30 or higher are considered making sufficient academic progress. Colleges may impose additional requirements to determine academic progress and have the right to suspend a student whose cumulative GPA is not at the minimum standard.

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. Students who do not achieve the minimum cumulative UWF GPA listed below, during the semester of probation, will be suspended.

- 0-15 GPA Hours - 1.60 cumulative UWF GPA
- 16-30 GPA Hours - 1.80 cumulative UWF GPA
- 30 or more GPA Hour - 2.00 cumulative UWF GPA

The College may make exceptions and continue a student on probation as determined by the student’s individual circumstances and potential for academic success. Exceptions made by the College are sent to the Office of the Registrar within three days of initial action review.

Students under academic suspension are not eligible to register at UWF. See the Reinstatement process below.

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 (http://catalog.uwf.edu/undergraduate/academicpolicies/grades) 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.

Students who are reinstated are considered on probation and the rules for probation status apply.

Non-Degree Students
Non-degree students are subject to the same academic standards and review procedures as students admitted to degree programs based on the level of the student.
Appeals/Waivers/Exceptions

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.

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.

General Education Appeals
The General Education Committee hears requests for appeals of general education, Gordon Rule, multicultural requirement, or Associate degree requirements. In addition, the General Education Committee hears all requests for academic waivers or substitutions based on disabilities. Contact: General Education Committee, attention: Office of the Dean, University College.

Registration Appeals
The Office of the Registrar reviews appeals related to grade forgiveness, late registration, and schedule adjustments (drop/add). Please visit the Registrar Website for appeals forms (http://uwf.edu/offices/registrar/resources/forms/#den86366).

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/media/university-of-west-florida/offices/registrar/documents-pdf/pdf/Appeal-for-Waiver-of-Graduation-Requirement.pdf)
• Reinstatement after removal for non-payment appeal (http://uwf.edu/media/university-of-west-florida/offices/registrar/documents-pdf/pdf/Appeal-for-Reinstatement.pdf)
• Fee appeals (http://uwf.edu/offices/financial-services/student-financial-services/fee-appeals)
• Repeat course surcharge waiver appeal (http://catalog.uwf.edu/undergraduate/academicpolicies/registration/#repeatcoursesurcharge)
• Discrimination, harassment and retaliation complaints (http://uwf.edu/offices/dean-of-students/dean-of-students/student-appeals-processes)
• Financial aid appeals (satisfactory academic progress and other financial aid related appeals) (http://www.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://uwf.edu/offices/registrar/residency-residency-for-tuition-purposes)
• Student conduct code appeals (http://uwf.edu/osrr/documents/BOTApprovedStudentCodeofConduct-2010edition.pdf)
Class Attendance

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 must allow each student who is absent due to a reason recognized as an "excused absence," as set forth below, the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such an 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 in accordance with UWF/REG 3.041 Religious Observances.
- Absences for imposed legal responsibilities (e.g., jury duty, court appearances) and military obligations 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, or other sound reasons offered by the student may be accepted as excused absences.

Attendance Policy for FTIC Students in General Education Courses

The General Education Course Attendance Policy for First Time In College (FTIC) Students is designed to encourage engagement and support efforts to improve student retention at UWF. This Policy is a subset of and acts in concert with the Class Attendance policy (above). This policy requires:

- Regular attendance for FTIC students in General Education Courses is expected and will be documented.
- Each General Education class to have a written attendance policy and requires the attendance policy to be included in the course syllabus.
- The faculty member teaching a General Education Course is to record the last day of attendance for all FTIC students enrolled in the course.

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.
Degree Audit System

Degree Audit System

Degree Works (https://confluence.uwf.edu/display/public/Degree +Audits) will identify and track all graduation requirements for each baccalaureate degree at the University. Students may check their individual progress toward degree completion by reviewing their degree audit (https://confluence.uwf.edu/display/public/Viewing+a +Degree+Audit), which is available in MyUWF (https://my.uwf.edu). The degree audit is used for the final graduation check and a completed audit is required before an undergraduate degree is awarded.
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 degree audits (https://confluence.uwf.edu/display/public/Viewing+a+Degree+Audit) to review degree requirements. The degree 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 Education 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 who have previously earned a bachelor’s degree from any regionally accredited institution, including UWF, may earn an additional bachelor’s degree by completing the following requirements:

- A minimum of 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 at least 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.

Double Major and Dual Degree

Students earning UWF bachelor’s degrees may work on two programs simultaneously; however, majors or degrees with the same CIP code cannot be pursued simultaneously. Double majors and dual degrees must be awarded in the same semester. A student may declare a Double Major or a Dual Degree after earning 45 credit hours. A student may not declare a Double Major or Dual Degree after earning 90 credit hours unless the degree can be completed by the projected graduation date of the first major or degree. If a second major or degree cannot be completed by the projected graduation date of the first major or degree, the student must graduate and reapply to the University.

Double Majors

Double majors are defined as seeking one degree, e.g. BA, with two separate majors concurrently, e.g. BA in Psychology, and a BA in Sociology. Students must declare a major in each department (as applicable) and be assigned an Academic Advisor in each discipline. After successful completion of all requirements for both majors, students will be awarded one degree with two majors listed on the diploma and transcript. Students seeking a double major must complete the requirements for both programs at the time of graduation.

Dual Degree

Students pursuing two different degrees (e.g. BA+BS, BSBA+BA, etc.) and graduating with both simultaneously will be awarded a dual degree. Dual Degrees will only be awarded for programs with different degrees. Students must declare a major in each department (as applicable) and be assigned an Academic Advisor, in each discipline. After successful completion of all requirements for both majors, students will be awarded two separate diplomas; one for each degree.

In addition to meeting the requirements listed for the bachelor’s degrees, these students must do the following:

- Submit a Change of Major form (http://uwf.edu/offices/registrar/registration/majors-minors) with the Double Major and Dual Degree Declaration portion completed
- Complete all department and University requirements
- Complete a minimum of 120 semester hours
- Complete a Graduation Application for each program. (Two separate applications submitted for same semester.)

Associate of Arts (A.A.): General Degree Requirements

The general A.A. degree is available to students who have met the following requirements:

- Satisfied the requirements of UWF’s General Education curriculum
- 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
Degree Requirements

Education courses (contact the First Year Advising Center for details)
- Fulfilled the Gordon Rule Writing and Mathematics requirements
- Have a UWF cumulative GPA of at least 2.0
- Completed the admissions foreign language requirement
- A degree will not be awarded for a student on academic probation or suspension
- A. A. degree candidates must be 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 number 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, are currently enrolled, and have not previously been awarded an Associate degree elsewhere will automatically receive the A.A. degree. 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.
- At least a 3.5 institutional (UWF) GPA.
- At least a 3.5 overall (transfer and UWF) GPA.
- Baccalaureate Honors will be based on the lower of the two GPAs; either the cumulative institutional or overall cumulative GPA. The GPA calculation can be found on the unofficial transcript.

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.

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 University College.
Enrollment

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>
<tr>
<td>Senior</td>
<td>90 semester hours or more</td>
</tr>
<tr>
<td></td>
<td>including a minimum of 20</td>
</tr>
<tr>
<td></td>
<td>semester hours of course work</td>
</tr>
<tr>
<td></td>
<td>at the 3000/4000 level</td>
</tr>
</tbody>
</table>

Non-Degree Student  A student who currently is not a candidate for a degree

Certification of Enrollment

The University of West Florida reports enrollment status based on the definitions listed below. Information on enrollment is reported through the National Student Clearing House (http://uwf.edu/offices/registrar/registration/enrollment-certification) and is available for the semester beginning the first week of classes.

<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>12 SH or more</td>
</tr>
<tr>
<td>3/4 time</td>
<td>9-11 SH</td>
<td>9-11 SH</td>
</tr>
<tr>
<td>Half time</td>
<td>6-8 SH</td>
<td>6-8 SH</td>
</tr>
<tr>
<td>Less than half time</td>
<td>0-5 SH</td>
<td>0-5 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.

Non-degree students’ enrollment status is reported based on the level of the non-degree program.

Students enrolled in dissertation, thesis or cooperative education are considered full time regardless of the hours enrolled.

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.

Students receiving Financial Aid should confirm requirements for financial aid eligibility.

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>
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</tr>
<tr>
<td>Senior</td>
<td>90 semester hours or more</td>
</tr>
<tr>
<td></td>
<td>including a minimum of 20</td>
</tr>
<tr>
<td></td>
<td>semester hours of course work</td>
</tr>
<tr>
<td></td>
<td>at the 3000/4000 level</td>
</tr>
</tbody>
</table>

Non-Degree Student  A student who currently is not a candidate for a degree

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.

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.

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. Non-degree students are expected to have the appropriate academic background to complete college level course work. 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 the Academic Calendar (p. 7) for specific dates.

Course work completed as a non-degree student will be included in the undergraduate UWF GPA, as determined by the level of the course. If a non-degree student becomes admitted as degree-seeking, all non-degree courses will be included in both the student’s GPA and degree audit (where applicable). However, departments do have the option to exclude non-degree courses from a student’s degree audit. To be considered for degree status, students must contact the Office of Undergraduate Admissions (http://uwf.edu/admissions) and complete the required application. Once a student is granted undergraduate degree-seeking status, change to non-degree status is not permitted until the baccalaureate degree is earned.

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. 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 online through Parking Services. Compliance with the immunization policy (http://uwf.edu/offices/student-health-services/immunizations/uwf-online-immunization-form) is required prior to registration.
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 Education requirements, Gordon Rule requirements, and foreign language requirement.

Preparatory Courses

Entering freshmen who have scored below State of Florida’s determined minimums on the ACT or SAT exams or the Post-secondary 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 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>19</td>
<td>17</td>
<td>19</td>
</tr>
<tr>
<td>SAT</td>
<td>440</td>
<td>440</td>
<td>440</td>
</tr>
<tr>
<td>PERT</td>
<td>114</td>
<td>103</td>
<td>106</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 (http://uwf.edu/admissions/undergraduate) 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.
Excess Hours

Excess Hours Fee (Section 1009.286, Florida Statutes)

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 student had declared at matriculation. Students whose initial enrollment at any institution of higher education beginning Fall 2009 and later may be assessed excess hours fees if they exceed the number of hours required for the degree program. Students whose initial enrollment as a degree seeking undergraduate in any institution of higher education was prior to Fall 2009 are exempt from excess hours.

Students who are eligible for the Excess Hours Surcharge and break continuous enrollment after fall 2012 by not enrolling for two consecutive semesters and not registering for the third consecutive semester before the first day of that term will, upon their return to the University, be subject to the 110% credit hour threshold and 100% surcharge.

See Excess Hours information (http://uwf.edu/offices/registrar/registration/excess-hours) for specific excess hour fees.

The following credit hours are included when calculating:

- All credit hours for courses taken at UWF, including failed courses, courses from which a student withdraws, 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

Deadline to request an adjustment to your initial Excess Credit Hour Baseline:

Adjustment requests of the initial Excess Credit Hour Baseline total must be received during the first 12 months at UWF; no exceptions. Under Florida law, appeals to the initial calculation total that are received after the first 12 months of enrollment cannot be considered.

Deadline to request an adjustment of credit hours earned while in attendance at UWF:

Adjustment requests of credit hours added to your counter after initial enrollment must be submitted within one year of the course being attempted or the credit being posted to your UWF transcript will remain in your Excess Credit Hour Calculator.
Grade Adjustment

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” received in the repeat attempt.

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 Changes
Students graduating from UWF having earned a letter grade of “F, D, D +, C-, C+, B-, B+, A-, or A” may not have a grade changed for a course that was taken and completed prior to 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 form (http://uwf.edu/offices/registrar/resources/forms) 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.

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 an “NF.” As provided in UWF Regulation 3.030 (Academic Misconduct), the Grade Forgiveness policy will not be applied to a course in which a student has been found responsible for a violation of the Academic Misconduct Code resulting in a sanction of “F” in the course. 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
Effective Fall 2015, undergraduate degree-seeking students are allowed three opportunities for grade forgiveness during their undergraduate program. Contact the Office of the Registrar 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.

Undergraduate students enrolled at UWF prior to Fall 2015 may only use the third option for grade forgiveness for repeated courses taken Fall 2015 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.

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 UWF Military and Veterans Resource Center (MVRC) when utilizing the forgiveness option.
Grades

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>G</td>
<td>Deferred (Thesis/ Dissertation only)</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>NF</td>
<td>Non-attending/Fail</td>
<td>0.0</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>**</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>**</td>
</tr>
<tr>
<td>TR</td>
<td>Withdrawal with full refund</td>
<td>**</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>0.0</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
<td>**</td>
</tr>
<tr>
<td>X</td>
<td>Audit</td>
<td>**</td>
</tr>
</tbody>
</table>

** Grade not included when computing the GPA.

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.

Pass/Fail Grading Option
With the approval of the student’s assigned Academic Advisor, undergraduate students may take selected courses on a Pass/Fail (P/F) basis using the Grade Mode Change form. All grade mode changes must be submitted to the Office of the Registrar by deadlines listed on the Academic Calendar. It is the responsibility of the student to understand the restrictions and implications surrounding usage of Pass/Fail grades.

The pass/fail option may not be used for any University or departmentally required course. Students should see their advisors for advice of courses to be taken on the pass/fail basis. Courses taken with the pass/fail option may not be used to fulfill General Education 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)). 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. 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)). Students must have the instructor’s 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.

Final Examinations
Exams are scheduled during the Final Examination week of the fall and spring semesters, and may be scheduled on Saturday. It is the student’s responsibility to review the final exam schedule and know when/where the exam may occur (see the Academic Calendar (p. 7)). The final exam schedule can be found here (https://confluence.uwf.edu/display/public/Final+Exam+Schedule).

Final exams for summer are scheduled by the instructor.
Graduation

Application for Graduation

Bachelor, Master, Specialist, and Associate degree candidates:
Students should follow the instructions for Applying for Graduation
(https://confluence.uwf.edu/display/public/Applying+for+Graduation),
and also the Graduation Guide (http://uwf.edu/offices/registrar/
graduation-guide).

Students applying for a certificate should also follow the steps for
Applying for Graduation (https://confluence.uwf.edu/display/public/
Applying+for+Graduation). Awarded certificates will be listed on the
student's academic transcript.

Doctoral degree candidates should contact the Office of the Registrar
for a Doctoral Application for Graduation (https://confluence.uwf.edu/
display/public/Applying+for+Graduation/#ApplyingForGraduation-
DoctoralPrograms).

All applications must be submitted during the application period.
Specific dates are noted in the Academic Calendar (http://uwf.edu/
offices/registrar). Students who miss the deadline should contact
their academic department to determine eligibility and to request
a late submission. Students submitting a late application risk not
being included in the commencement program important graduation
communication.

Commencement

Commencement ceremonies at UWF are held twice a year, at the
end of the fall and spring semesters, for students graduating with
baccalaureate, master, specialist, and doctoral degrees. Associate of
Arts and certificate candidates are not permitted to participate in the
commencement ceremony. Participation in commencement does not
guarantee that all graduation requirements are complete. “Applications
for Graduation” must be completed/submitted 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.

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.

Pre-Graduation Audit

See Progress to Degree (p. 41) section.
Graduation Honors

Kugelman Honors Program

The UWF Honors Program offers unique living and learning opportunities for students in all majors. In addition to their regular coursework, Kugelman Honors scholars enroll in special interdisciplinary seminars led by the university's most accomplished faculty. Honors scholars also undertake 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 graduating as a Kugelman Honors Scholar, participation in the Honors Commencement Ceremony, and individual recognition during UWF’s Commencement exercises. Most importantly, Kugelman 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 the Kugelman Honors Program is highly competitive. Students must submit an Honors Program Application and a letter of recommendation.

To qualify, applicants 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

For more information, email honors@uwf.edu (Honors@uwf.edu).

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.
Plan of Study

All students will receive a degree-plan outlining their program of study. This is the benchmark for graduation and will be listed in the official degree plan upon initial enrollment.

Four-Year Plan of Study

All First-Time in College Students (FTIC) are projected to graduate in four-years (nine semesters or eleven semesters when including summer(s)). All FTIC students will have an assigned plan of study after meeting with the assigned academic advisor. Students who wish to change their major must meet with the assigned academic advisor to prepare another plan of study.

Two-Year Plan of Study

Florida College Students (FCS) and dual-enrolled students from an FCS institution entering with an Associates of Arts (AA) degree are projected to graduate in two years (four semesters or five semesters when including summer). All transfer students will have an assigned two-year plan of study after meeting with the assigned academic advisor, and should meet all degree program prerequisites in order to efficiently complete the two-year degree plan. FCS students should meet with the assigned academic advisor for this purpose by the end of their second semester at UWF. Students who wish to change their major must meet with the assigned academic advisor to prepare another plan of study.

Pre-Graduation Audit

Students are required to meet with the assigned academic advisor prior to completing 90 credit hours. This audit is intended to advise the student of all courses needed for graduation and to confirm that all remaining requirements are included in the degree plan. Registration holds will be placed on the records of students with 90 credit hours or more who have not completed the Pre-Graduation Degree Audit.

Graduation Process

Students are responsible for meeting all graduation requirements. Having met all requirements for an undergraduate degree a student is expected to graduate and will not be permitted to take additional classes as an undergraduate student. Student responsibilities include:

1. Meeting with an academic advisor each semester to discuss degree progression;
2. Completing the Graduation Application online by the deadline listed in the Academic Dates and deadlines in the Catalog;
3. Meeting with the Department and completing a Graduation Action Plan when necessary; and
4. Meeting all requirements for the degree.

Progress to Degrees

Registration Policies and Procedures

Course offering information is available on the Office of the Registrar website (http://uwf.edu/offices/registrar), via the Course Search (https://erpapp.banner.uwf.edu/PROD/bwckschd_p_disp_dyn_sched).

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 receive their advising PIN (https://confluence.uwf.edu/display/public/Viewing+your+Advising+PIN+in+MyUWF). 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 (http://uwf.edu/offices/university-college/departments/advising-retention/first-year-advising-center/what-we-do) advises all freshmen students in their first semester of enrollment. All students are encouraged to seek academic advising on a regular basis.

University Responsibilities

The faculty, administration, and staff share a responsibility to provide accurate information and effective advice. The Office of Enrollment Affairs (http://uwf.edu/offices/enrollment-affairs) is responsible for providing students, faculty, and other advising staff with accurate information in the Catalog and other publications.

The academic advisors in the College of Arts, Social Sciences and Humanities; College of Business; College of Education and Professional Studies; Hal Marcus College of Science and Engineering; College of Health; and University College 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 their degree audit, Catalog, and other resources for information.

Degree Progression

Each student is required to meet with the assigned academic advisor to develop a plan of study appropriate to the student’s academic goals. The plan of study, as part of the student’s degree audit, should be used as a tool for guiding students toward efficient graduation.
Registration

Registration Holds

Holds preventing registration will be placed on the student record for one or more of the following reasons: incomplete admissions documents, financial obligations (parking tickets, library fines, etc.), financial responsibility (https://confluence.uwf.edu/display/public/Financial+Responsibility+Statement), administrative discipline, failure to comply with the immunization requirements, etc. These holds must be removed prior to registration. Students should contact the appropriate office and arrange for removal of any holds to register for classes and to receive official transcripts, grades, and diplomas. Students can view holds (https://confluence.uwf.edu/display/public/Viewing+Holds) through their student portal, MyUWF (https://my.uwf.edu).

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

Late Registration

Registration must be initiated prior to the first day of any given term within each semester to avoid the non-refundable 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 completed a Registration Drop/Add Form (http://uwf.edu/media/university-of-west-florida/offices/registrar/documents-pdf/pdf/Registration-Drop-Add-Approval.pdf) with the Maximum/Minimum Credit Hour Waiver portion filled out, along with the signatures of the student’s academic advisor and the chairperson of the student’s major department.

Course Prerequisites/Corequisites

A prerequisite is a course in which credit must be earned prior to enrollment in another course. A corequisite is a course that must be taken concurrently with another course. A concurrent prerequisite may be taken either prior to or at the same time (concurrently) as another course. These requirements are included in the course search (https://confluence.uwf.edu/display/public/Searching+for+Course+Offerings).

It is the student’s responsibility to review prerequisite and corequisite information as stated in the course description (http://catalog.uwf.edu/courseinformation/courses). Non-degree students should contact the academic department for permission to enroll in any course that requires a prerequisite or corequisite. UWF reserves the right to cancel the registration of a student who does not meet the course prerequisites. A student whose registration is cancelled will be notified by the department via his/her UWF email account.

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 department chair, in addition to the completion of the Variable Credit Hour Registration form (https://confluence.uwf.edu/pages/viewpage.action?pageId=43319400). 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. With approval from their advisors, juniors and seniors may enroll for 5000 level courses that will be included in their undergraduate program. 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 advisor 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 to the Registrar’s Office.

Graduate level fees are assessed for all graduate level courses regardless of the student’s classification.

Drop/Add Changes

Class schedule changes (drop and add) may be completed once a student has initially registered until the end of the scheduled drop/add period. Students may choose to change their class schedules on MyUWF (https://my.uwf.edu). 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 the drop/add period should be addressed to the Office of the Registrar via the Schedule Adjustment Appeal. (http://uwf.edu/media/university-of-west-florida/offices/registrar/documents-pdf/pdf/Appeal-for-Schedule-Adjustment_NEW-(1)-(2).pdf) See Academic Dates and Deadline (p. 7) for Drop/Add periods.
Cancellation of Registration

Students are not permitted to drop their last remaining course using the online portal. Students may cancel registration (last remaining course will be dropped) by notifying the Office of the Registrar in writing prior to the last day of drop/add (registrar@uwf.edu). Students who cancel their registration 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).

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. 55) section). Appeals should be addressed to the Office of the Registrar via the Repeat Course Surcharge Appeal Form (http://uwf.edu/media/university-of-west-florida/offices/registrar/documents-pdf/pdf/repeatsurcharge.pdf).

Reinstatement for Canceled Registration

Reinstatement for cancelled registration is not automatic. To be considered for reinstatement after the deletion of courses for non-payment requires approval of the Office of the Registrar. The student must submit an appeal to the Registrar outlining the reason for the request for reinstatement. If the reinstatement is approved, the student must make payment of all registration fees for the identical classes for which registration was previously cancelled, the $100 late registration fee, the $100 late payment fee, and payment of all delinquent liabilities. Appeals for reinstatement are submitted to the Office of the Registrar. The Appeal for Reinstatement after Removal for Non-payment form (http://uwf.edu/media/university-of-west-florida/offices/registrar/documents-pdf/pdf/Appeal-for-Reinstatement-After-Removal-for-Nonpayment.pdf) is available through the Office of the Registrar home page (http://uwf.edu/offices/registrar).

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.

Dual Enrollment Registration (High School and University Credit)

See Freshman Admissions (p. 12) section.
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. § 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 revealed 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).
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)

### 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.

### 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.

### Directory Information

Directory information will be released for public records requests 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 by using the Contact and Privacy Info Wizard (https://confluence.uwf.edu/x/xwEhAg) through 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 their directory information through the Contact and Privacy Information 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 online through MyUWF (https://my.uwf.edu).
Transfer Credit

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 Education 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 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 Credit for Matriculated Students
UW degree-seeking students completing coursework at other institutions should complete and submit the Transient Student Form (https://confluence.uwf.edu/x/zye8). 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 Education 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 Education, 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>USAF/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: Credit-by-exam_equivalencies.pdf (http://catalog.uwf.edu/undergraduate/academicpolicies/grades/Credit-by-exam_equivalencies.pdf). 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 Education program at a Florida public institution and whose transcript is so marked will be considered to have completed the General Education 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.

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 Education program at a Florida public institution and whose transcript is so marked will be considered to have completed the General Education 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.
**Massive Open Online Course**

1. Undergraduate students who are admitted as degree-seeking students to the University of West Florida (UWF) and who have completed nontraditional online college level courses prior to initial enrollment as a degree-seeking student in undergraduate education at UWF may request that the University evaluate that work to determine if credit might be awarded. These courses may include, but are not limited to, massive open online courses (MOOCs).

2. Award of credit for nontraditional online courses must meet the following conditions:
   a. University faculty have determined the online course content and learning outcomes to be comparable to a course offered at the institution;
   b. Nontraditional online courses meet the quality and accreditation standards intended for a transfer course;
   c. The subject area faculty have determined that the online course is relevant to the student’s intended program of study; and
   d. The coursework must have been completed prior to the student’s initial term of enrollment.

3. Students wishing to have such online coursework evaluated for the purpose of receiving credit must comply with procedural guidelines established for this policy.

4. If the online college coursework did not result in credit awarded by the institution offering the online course the student must provide the following information for evaluation by qualified faculty at UWF:
   a. Name and address of the institution/organization offering the online course;
   b. A syllabus for the course;
   c. Credentials of the faculty who taught the course;
   d. Course objectives and learning outcomes for the course; and
   e. Other information requested by an academic department’s subject area faculty in order to determine demonstrated mastery of course learning outcomes.

   The provision of these materials does not constitute the University’s acceptance of the online college coursework for academic credit. Any award of UWF academic credit for the coursework presented must be based on an independent verification by qualified UWF faculty of the knowledge and skills attained in the coursework. This is done through a mechanism such as a UWF proctored proficiency examination.

1. If credit for the online coursework was awarded by another institution of higher education the student must submit an official transcript reflecting the award of credit. The transferability of that work will be determined with the same processes and criteria for other credit-bearing transferred courses.

2. Students will be notified if the credit sought has been approved. If they wish to appeal the decision of the faculty they may do so by submitting an appeal to the college dean, per procedural guidelines established for this policy. Credit awarded for online coursework completed prior to the initial term of enrollment will not be noted on a UWF transcript until completion of the first semester of enrollment as a degree-seeking student. Students who do not enroll at the University of West Florida will not receive a UWF transcript.

**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; Request Information (http://www.distance.ufl.edu/request-information); or correspondencetestudy.ufl.edu (http://correspondencetestudy.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.
University Requirements

General Degree Requirements

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

General Education 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 Education. The General Education 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 Education requirements are specified in the distribution as follows:

Communication (p. 48)

<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>
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</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics (p. 48)

Choose one course from Group A and one Additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
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<td>MAC 2311</td>
</tr>
<tr>
<td>MGF 1106</td>
</tr>
<tr>
<td>MGF 1107</td>
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<tr>
<td>STA 2023</td>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
</tr>
<tr>
<td>MAC 1140</td>
</tr>
<tr>
<td>MAC 2233</td>
</tr>
<tr>
<td>MAC 2312</td>
</tr>
</tbody>
</table>

Social Sciences (p. 48)

Choose one course from Group A and one additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
</tr>
<tr>
<td>ANT 2000</td>
</tr>
<tr>
<td>ECO 2013</td>
</tr>
<tr>
<td>POS 2041</td>
</tr>
<tr>
<td>PSY 2012</td>
</tr>
<tr>
<td>SYG 2000</td>
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<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
</tr>
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<td>ANT 2400</td>
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<tr>
<td>ANT 2100</td>
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<td>CCJ 2002</td>
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<td>DEP 2004</td>
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</tr>
<tr>
<td>MMC 2000</td>
</tr>
<tr>
<td>PLA 2013</td>
</tr>
<tr>
<td>SOW 2192</td>
</tr>
<tr>
<td>SYG 2010</td>
</tr>
</tbody>
</table>

Humanities (p. 48)

Choose one course from Group A and one additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
</tr>
<tr>
<td>LIT 2000</td>
</tr>
<tr>
<td>MUL 2010</td>
</tr>
<tr>
<td>PHI 2010</td>
</tr>
<tr>
<td>THE 2000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
</tr>
<tr>
<td>ARH 2050</td>
</tr>
<tr>
<td>ARH 2051</td>
</tr>
<tr>
<td>ART 1015C</td>
</tr>
<tr>
<td>ART 2821</td>
</tr>
<tr>
<td>CRW 2001</td>
</tr>
<tr>
<td>IDH 1040</td>
</tr>
<tr>
<td>MUH 2930</td>
</tr>
<tr>
<td>PHI 2103</td>
</tr>
<tr>
<td>PHI 2603</td>
</tr>
<tr>
<td>REL 1300</td>
</tr>
<tr>
<td>THE 2300</td>
</tr>
<tr>
<td>SPC 2608</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 48)
Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- [AST 1002](#) Descriptive Astronomy
- [BSC 1005](#) General Biology for Non-Majors
- [BSC 1085](#) Anatomy and Physiology I
- [BSC 2010](#) Biology I
- [CHM 1020](#) Concepts in Chemistry
- [CHM 2045](#) General Chemistry I
- [ESC 2000](#) Introduction to Earth Science
- [EVR 2001](#) Introduction to Environmental Science
- [PHY 1020](#) Introduction to Concepts in Physics
- [PHY 2048](#) University Physics I
- [PHY 2048C](#) University Physics I - Studio
- [PHY 2053](#) General Physics I

### Group B
- [ANT 2511](#) Biological Anthropology
- [BOT 2010](#) General Botany
- [BSC 1050](#) Fundamentals of Ecology
- [BSC 1086](#) Anatomy and Physiology II
- [BSC 2011](#) Biology II
- [BSC 2311](#) Introduction to Oceanography and Marine Biology
- [CGS 2060](#) Excursions in Computing
- [CHM 1032](#) Fundamentals of General Chemistry
- [CHM 2046](#) General Chemistry II
- [CIS 2530](#) Introduction to Cyber Security
- [GEO 1200](#) Physical Geography
- [GLY 2010](#) Physical Geology
- [MCB 1000](#) Fundamentals of Microbiology
- [PHY 2049](#) University Physics II
- [PHY 2054](#) General Physics II

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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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

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General Education Electives

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

### 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 Education courses, and students may enroll in these to meet both the General Education and the multicultural requirements.

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

**Multicultural Courses**

(p. 48)
University Requirements

AML 3604 African American Literature  3
AML 3624 Black Women Writers  3
AML 4015 Topics in Nineteenth-Century American Literature  3
ANT 2000 Introduction to Anthropology  3
ANT 3212 Peoples and Cultures of the World  3
ANT 3312 North American Indians  3
ANT 3363 Japanese Culture  3
ANT 3403 Cultural Ecology  3
ARH 1000 Art Appreciation  3
ARH 2050 Western Survey I: Greek to Renaissance  3
ARH 2051 Western Survey II: Baroque to Contemporary  3
ARH 3590 Perspectives in Ancient and World Art  3
ARH 4302 Late Renaissance Art in Italy  3
ARH 4305 Early Italian Renaissance Art  3
ARH 4412 Nineteenth Century European Art  3
ARH 4450 Modern Art 1900-1950  3
ARH 4470 Art After 1950  3
ARH 4652 Art and Archaeology of the Ancient Andes  3
ARH 4653 Art and Archaeology of Mesoamerica  3
CCJ 3678 Race, Gender, Ethnicity, and Crime  3
COM 3014 Gender Communication  3
COM 3461 Intercultural Communication  3
COM 3104 Gender Communication  3
CPO 2002 Comparative Politics  3
CPO 3055 Dictatorships  3
CPO 3103 Politics of Western Europe  3
CPO 3322 Cuba, Castro and the USA  3
CPO 3513 Politics of the Far East-Japan and China  3
CPO 4303 Politics of Spain, Portugal, and Latin America  3
CPO 4792 Geopolitics  3
EDF 2085 Teaching Diverse Populations  3
ENG 4013 Introduction to Literary Theory  3
EUH 1000 Western Perspectives I  3
EUH 1001 Western Perspectives II  3
EUH 3203 Modern Europe  3
EUH 3411 Rome and the Mediterranean World  3
EUH 3576 Soviet Union since 1917  3
EUH 4239 Europe's Expansion Overseas  3
FRE 4955 Supervised Foreign Language Field Experience Abroad  1-3
GEA 2000 Nations and Regions of the World  3
GEA 4405 Geography of Latin America  3
GEB 4361 International Business  3
GEO 3421 Cultural Geography  3
GEO 3471 Geography of World Affairs  3
HIS 4316 Women in the Atlantic World  3
IDH 1041 Honors Core 2  3
INR 2002 International Politics  3
JPN 3270 Supervised Language Experience Abroad  3
LAH 3200 Latin America since Independence  3
LIT 2000 Introduction to Literature  3
LIT 3233 Postcolonial Literature  3
LIT 4385 Feminist Theory  3
MAN 4102 Management of Diversity  3
MAR 4156 Seminar in International Marketing  3
MMC 3601 Minorities and the Mass Media  3
MMC 4300 Global Communication  3
MUH 2930 The Music Experience: Special Topics  3
NUR 4615 Community and Public Health Nursing  3
NUR 4636 Public Health & Community-based Nursing  3
PSY 3680 Positive Psychology  3
REL 3145 Women and Religion  3
REL 3310 Philosophies of the East  3
REL 4592 Development of Christian Thought  3
SOP 3730 Psychology, Culture, and Society  3
SOW 4233 Human Diversity and Social Justice  3
SOW 4941 Immersive Experiences in Social Work  3
SPN 3400 Advanced Stylistics  3
SPN 4500 Spanish Civilization  3
SPN 4520 Latin American Culture and Civilization  3
SPN 4955 Intensive Spanish Abroad  1-5

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. 46) section of this catalog. Students should consult the Office of Undergraduate Admissions (http://uwf.edu/admissions/undergraduate) for evaluation of transfer mathematics courses for General Studies requirements, Gordon Rule, and credit for graduation. The following UWF courses are approved for Gordon Rule (some courses may be more or less than 3 sh):

English/Humanities Courses (p. 48)
Mathematics/Theoretical Courses (p. 48)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAA 4211</td>
<td>Advanced Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MAA 4212</td>
<td>Advanced Topics in Multi-Variable Calculus</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>MAD 3107</td>
<td>Discrete Mathematics and Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAD 4401</td>
<td>Numerical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAP 4341</td>
<td>Partial Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4156</td>
<td>Vector Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4203</td>
<td>Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>Abstract Algebra</td>
<td>3</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>MTH 3202</td>
<td>Set Theory and Mathematical Logic</td>
<td>3</td>
</tr>
<tr>
<td>MTG 3212</td>
<td>Modern Geometry</td>
<td>3</td>
</tr>
</tbody>
</table>

NOTE: Courses with the MAE prefix do not satisfy the Gordon Rule math requirement.

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 (https://www.flvc.org/partner-portal/common-prerequisite-manual) at FLVC.org (https://www.flvc.org) (Florida Virtual Campus) 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 Education 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.
Withdrawals

Withdrawal

A student is allowed no more than six individual course withdrawals (3 courses at the upper level and 3 courses at the lower level) and no more than two individual course withdrawals for a single course. Once the limit has been reached, the student must receive a grade for the course. For a third attempt in an individual course, the student must receive a grade. Exceptions are allowed for medical withdrawals and withdrawals for military purposes, or as approved by the University.

As provided in the UWF Regulation 3.030 (Academic Misconduct), a student who has been found responsible for violation of the Academic Misconduct will not be allowed to withdraw from the class in which the violation occurred.

Individual Class Withdrawal

After the drop/add period, a student may withdraw from an individual course(s) 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. Refunds are not issued for individual course withdrawals. Students may process withdrawals online through the “Registration Menu” app in MyUWF (https://my.uwf.edu).

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 date the withdrawal is processed. Enrollment status (i.e. full-time, part-time) will be adjusted based on the date of withdrawal. Withdrawals count as an attempted course for repeat course surcharges and excess hours. Individual class withdrawals may not be processed after the published deadline(s) in the Academic Calendar (http://uwf.edu/offices/registrar/resources/academic-dates-and-deadlines). 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.

Withdraw from All Courses (University withdrawal)

Students should contact the Office of the Registrar to withdraw from their final course (considered an University Withdrawal). Students withdrawing from all courses prior to the end of the 10th week* of a full semester will receive a grade of “W”. Withdrawals from all courses during the first four weeks receive a partial refund. Withdrawals after the 10th week of a full semester are considered only by appeal. Withdrawal from all courses does not prevent registration for future terms. Students are not required to apply for readmission unless they have not enrolled at UWF for three or more consecutive academic semesters (including summers). Students are encouraged to consult with their advisors before withdrawing from classes and to contact the Office of Financial Aid (http://uwf.edu/offices/financial-aid) and the Cashier’s Office (http://uwf.edu/offices/financial-services/student-accounts-cashiers) for questions regarding fee liability or financial aid awards. Students who withdraw from all courses are considered not enrolled as of the date the withdrawal is processed. Enrollment status will be adjusted based on the date of withdrawal.

Medical Withdrawals

To qualify for a medical withdrawal (http://uwf.edu/offices/registrar/registration/withdrawals-), the student is required to complete and submit the Medical Withdrawal Form (http://uwf.edu/offices/dean-of-students/case-management-services/medical-withdrawal) 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.

Note: The Medical Withdrawal process only reviews health conditions of a student, and not the conditions of a student’s immediate family members.

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, provide a copy of military orders, and follow the withdrawal process (http://uwf.edu/offices/registrar/registration/withdrawals- and withdrawal deadlines, as noted on the academic calendar (http://uwf.edu/offices/registrar/resources/academic-dates-and-deadlines). Grades of “W” will be awarded if approved. Regarding tuition, students may also elect to follow the Fee Appeals (http://uwf.edu/offices/financial-services/student-financial-services/fee-appeals) process.

Withdrawal Appeal 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.

Withdrawal appeals 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 numbers 1 and 2
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 withdrawal appeal must submit the following in order for the appeal to be considered by the Academic Appeals Committee:

• Appeal for a Late Class Withdrawal (http://uwf.edu/offices/registrar/resources/forms/#den86366) 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.
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

Fee Appeals (http://uwf.edu/offices/financial-services/student-financial-services/fee-appeals) should be addressed to the Cashier's Office in Building 20. Appeals will considered by the Fee Appeals Committee for documented, extenuating circumstances.

Students may be allowed to withdraw from a course or the University (all courses) with a full refund of tuition fees for the following situations (documentation required):

1. Call to active military duty or enlistment in active military service (copy of official orders or letter signed by commanding officer on official military letterhead required).

2. Death of the student or death in the immediate family (parent, spouse, child, sibling—copy of obituary notice or death certificate required); or

3. Student’s illness of such duration and severity, as confirmed in writing by a physician, that completion of the term is precluded.

Withdrawal from courses at the University does not automatically relieve the student from fee payment liability in the case of deferred payment status such as VA notes, tuition loan notes, and financial aid pending status.

Students in a deferred status should consult the Cashier’s Office regarding fee liability.

* See the Academic Calendar (http://catalog.uwf.edu/academicalcalendar) for specific deadlines including summer and short term dates.
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 Legislature, Florida Board of Governors, and UWF’s Board of Trustees and are generally updated each fall term. The University will make every possible effort to advertise any changes in fees when and if they occur.

You are required to complete a Financial Responsibility Statement prior to registering each term. This statement outlines the terms and conditions of the financial responsibilities and obligations associated with attending the University of West Florida.

2016-2017 Tuition and Fees


Payment of Fees

Methods of Payment

Fees may be paid by any of the following methods:

- Tuition and fees, housing, mandatory meal plans, and the University ID card may be paid online using your checking or savings account through MyUWF (https://my.uwf.edu). An echeck payment results in an electronic debit of your bank account. There is no additional fee assessed for an echeck payment. If your payment is returned as unpaid by your bank for any reason, your student account will be assessed a return item fee.
- Credit and debit cards may also be used to make payments for tuition and fees, housing, mandatory meal plans, and the University ID card online through MyUWF (https://my.uwf.edu). The University partners with CashNet to process credit and debit card payments and a convenience fee of 2.75% will be charged. This fee will be added to your total payment and is non-refundable. The convenience fee of 2.75% will be displayed prior to completion of the transaction. Your completion of the transaction acknowledges acceptance of these payment terms.
- Students that elect to pay with their BankMobile VIBE account will also be assessed a convenience fee.
- Students may elect to pay with a Foreign Currency online through MyUWF (https://my.uwf.edu). WesternUnion, a respected leader in the realm of currency exchange, provides a mechanism to facilitate foreign currency payments.
- A parent portal is available for online payments through CashNet. Student authorization is required.
- Payments by cash, check, money order or traveler’s check only may be made in person at the University Cashiers Office, Building 20 East, 8:15 am - 4:45 pm for tuition and fees, housing, mandatory meal plans, the University ID card and other miscellaneous charges.
- Drop-box depository located at Building 20 East on the main campus. All payments must include the student’s name and ID number to ensure correct and timely processing. Payments must be deposited in the depository by the close of business on the fee payment due date to be considered on time. Do not include cash when using the drop-box.
- By mail. Mail must be received by the due date to be considered on time. Postmark date is not considered on time. All payments must include the student’s name and ID number to ensure correct and timely processing. Mail payments to UWF Cashiers Office, 11000 University Parkway, Building 20 East, Pensacola, FL 32514-5750.

Students paying fees by mail or by drop-box depository must include all fee payment documents (original copies of fee waiver forms, fee deferment forms, tuition aid forms, etc.) to ensure correct 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 due dates, deadlines, and other requirements by referring to the Academic Calendar (p. 7) and viewing their Account Balance on MyUWF (https://my.uwf.edu). If necessary, students should inform their parents or other interested parties of the deadline dates and the necessity for meeting them.

When to Pay Fees

A student becomes liable for his or her tuition upon registration. There are only two due dates per term. Fees for courses remaining on the student’s schedule at the close of the drop/add period must be paid by the fee payment due date. The start date of your earliest class determines your fee payment due date. Payment for classes added after the initial due date are due immediately. For more information and specific examples refer to Student Financial Services FAQs (http://uwf.edu/offices/financial-services/faqs/student-financial-services-faqs). Payments are applied to charges on your tuition account in order of the charge due dates. For charges with the same due date, payments are applied first to tuition and mandatory fees and then to other charges on your account.

Authorized deferment status may be granted under certain conditions. 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 fee payment due date may result in the assessment of a $100 late payment fee or cancellation of the student’s registration. Students whose registration is canceled due to non-payment may appeal for reinstatement and will be assessed a $200 reinstatement fee. The student will be held liable for all fees assessed for courses remaining on the student’s schedule 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.

Financial Aid Delivery

Financial aid awards, including loans and scholarships, that are complete prior to the beginning of each term will be disbursed by the Financial Aid office and refunded by Student Accounts. Tuition, fees, housing, meal plans and any other outstanding eligible charges are deducted from the financial aid proceeds and the remaining funds are
sent to BankMobile (UWF’s contracted refund management partner) to be refunded via the method chosen by the student. It is the student’s responsibility to ensure that all tuition, fees, 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 due date to avoid assessment of a $100 late payment fee.

Federal financial aid (Pell, SEOG, Subsidized, Unsubsidized, Plus and Perkins Loans) can only be used to pay for tuition and fees, housing, meal plans, and the University ID card. Students may use their federal financial aid to pay other charges on their account by signing the Title IV Authorization Form. This form gives UWF permission to apply federal aid to miscellaneous charges on the student account, such as bookstore charges, library fines and health center charges.

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 BankMobile for refunding according to the student’s refund preference selection.

Refund Selection Kit – DO NOT DISCARD

All degree seeking students will receive a Refund Selection Kit at the current address listed in MyUWF (https://my.uwf.edu). It is the responsibility of each student to keep their current address updated with the University. Address changes can be made in MyUWF (https://my.uwf.edu).

The packet includes a Personal Code. Students can use the alphanumeric Personal Code to begin refund preference selection. Once logged into the system via the website, the following options are available for refunds:

1. Electronic deposit to another account, or
2. Electronic deposit to a BankMobile VIBE account.

Note: If students choose the BankMobile VIBE account they will be sent the BankMobile VIBE debit card. Students who choose the Electronic deposit to another account and plan to subsequently transfer funds to a foreign financial institution must contact the Student Accounts Office.

UWF Payment Plan

Eligible students may pay current term tuition and fees, housing, mandatory meal plan, and University ID card with a UWF payment plan. All of these charges will automatically be included in the plan. You cannot choose to exclude some charges. Eligible charges will be reduced by the amount of available financial aid, private scholarships, private loans and third party billing arrangements. The University offers payment plans with a variable number of installment payments dependent on the month of enrollment in the plan. Enrollment in the plan is completed through your CashNet account. Select the UWF Payment Plan link in CashNet. Each installment must be paid by the appropriate fee payment due date to avoid assessment of a $100 late payment fee. Students must have a favorable credit rating with the University to be eligible for the UWF Payment Plan. A $15 service charge will be added to all payment plans. Contact the Student Accounts Office at (850) 474-3037 for 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 agency payment 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 received by the fee payment due date. The student must confirm the agency payment 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. Any change in method of fee payment after the fee payment due date 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 undergraduate 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 term. No Florida Prepaid plan pays material and supply fees, online fees, transportation fees, technology fees, or green 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 due date 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 by email (cashier@uwf.edu) each term by the end of the fee payment period.

Delinquent Balances

Students who have delinquent balances at the University (financial aid billings, loans, library 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. Any portion of the student’s account balance not covered by a tuition waiver or other financial aid must be paid by the fee payment due date. Failure to do so will result in the assessment of a $100 late payment fee or cancellation of classes. Refer to Student Financial Services (http://uwf.edu/offices/financial-services/student-financial-services/student-accounts-cashiers) for more information.
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. Refer to Dual Enrollment at UWF (http://uwf.edu/admissions/undergraduate/apply/dual-enrollment) 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.

Purple Heart

Recipients of the Purple Heart or other combat decoration superior in precedence may receive a tuition and fees waiver. The student must be enrolled in an undergraduate program of study leading to a degree or certificate, is currently and was at the time of the military action that resulted in the awarding of the combat decoration a resident of Florida, and submits a copy of the Department of Defense Form 214 (DD-214) as documentation that the student received the Purple Heart or other combat decoration superior in precedence. The waiver is applicable for 110 percent of the number of required credit hours of the degree or certificate program for which the student is enrolled. Certain portions of course fees are not covered by the waiver and must be paid by the fee payment due date to avoid the assessment of a $100 late payment fee or the cancellation of registration. Refer to Student Financial Services (http://uwf.edu/offices/financial-services/student-financial-services/student-accounts-cashiers) for more information and waiver form.

Florida Department of Children and Family Services

Students shall be exempt from paying tuition and fees if the student is or was at the time he or she reached the age of 18 in the custody of DCF or a relative under s. 39.5085; who was adopted from the Department of Children and Family Services. This exemption shall remain valid until the time the student reaches 28 years of age, shall be limited to undergraduate degree programs, and shall not exceed 120 credit hours. Refer to Student Financial Services (http://uwf.edu/offices/financial-services/student-financial-services/student-accounts-cashiers) for more information and waiver form.

Out-of-State Students

Out-of-state students, including, but not limited to, students who are undocumented for federal immigration purposes who meet the following conditions are eligible for a waiver of out-of-state fees: attended a secondary school in Florida for 3 consecutive years immediately before graduating from a high school in Florida; apply for enrollment within 24 months after high school graduation; and, submit an official Florida high school transcript as evidence of attendance and graduation. The waiver is applicable for 110 percent of the required credit hours of the degree or certificate program for which the student is enrolled. A student who is granted an out-of-state fee waiver is not eligible for state financial aid. Refer to State Employee Tuition Fee Waivers (http://uwf.edu/offices/registrar/tuition--fees/state-employee-tuition-waiver) for detailed policies and procedures.

C. W. Bill Young Out of State Waiver

State Employees are eligible for six hours of tuition free courses per term (fall, spring, summer). Certain portions of course fees are not covered by the waiver and must be paid by the fee payment due date to avoid the assessment of a $100 late payment fee or the cancellation of registration. Certain self-funded degree programs are eligible subject to the availability of funds. Refer to State Employee Tuition Fee Waivers (http://uwf.edu/offices/registrar/tuition--fees/state-employee-tuition-waiver) for detailed policies and procedures.

Congressman C.W. "Bill" Young Veteran Tuition Waiver Program

A person who is an honorably discharged veteran of the United States Armed Forces, the United States Reserve Forces, or the National Guard; or entitled to and uses educational assistance provided by the United States Department of Veterans Affairs for a term beginning after July 1, 2015 and who physically resides in Florida while enrolled in the institution are eligible for a waiver of out-of-state fees. The veteran must present to the University a copy of the Department of Defense Form 214 (DD-214) and documentation as proof that the veteran physically resides in Florida. Other persons must present documentation as proof that they physically reside in Florida. Refer to C. W. Bill Young Out of State Waiver (http://uwf.edu/offices/military-veteran-resource-center/scholarships--waivers/cw-young-veterans-out-of-state-fee-waiver) for waiver form.
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 term (fall, spring, summer) without payment of tuition or mandatory fees. Employees may also assign up to six hours of their undergraduate credit hours or up to three graduate credit hours to their dependents. Certain portions of course fees are not covered by the waiver and must be paid by the employee or dependent by the fee payment due date to avoid the assessment of a $100 late payment fee or the cancellation of registration. Courses such as directed studies, practicums, internships, music and theater performance, continuing education, and other one-on-one course situations such as theses and dissertations are not authorized. Certain self-funded degree programs are eligible subject to the availability of funds. Refer to Human Resources (http://uwf.edu/offices/human-resources) for more information.

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 term. A 90-day deferment may be issued for the fall and spring terms and a 30-day deferment may be issued for the 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.

A veteran may request a deferment (promissory note) via their VA Enrollment Certification in MyUWF (https://my.uwf.edu) or at the Military Veterans Resource Center (MVRC) for the amount of tuition and fees. The MVRC will submit the approved promissory note to the University Cashiers Office prior to the fee payment due date. 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 have their registration canceled. Students whose registration is canceled due to 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.

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

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 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 are 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.

A student who officially withdraws from all classes at the university within the first four weeks of the semester will be entitled to a refund of 25% of the per credit hour fee for classes for which the drop/add period has passed. Withdrawal from classes for which the drop/add period has not passed will be treated as a drop and the per credit hour fee will be fully refunded.

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 (stopped attending classes without notification) from all courses before completing more than 60 percent of the term 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 at 850-474-3038 or stuaacct@uwf.edu.

Appeal for Late Fee Assessments and Refunds

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

All appeals must be submitted in writing or by email utilizing the# Fee Appeal Form (http://uwf.edu/media/university-of-west-florida/offices/financial-services/forms/Fee-Appeal-Form.pdf)# (pdf). The appeal
form with supporting documentation should be submitted to Student Accounts, Bldg 20E, or emailed to feeappeal@uwf.edu. Failure to provide adequate supporting documentation will result in a delay of the appeal. An appeal for refund of tuition and fees requires that the student be officially withdrawn from the course (or courses) prior to being reviewed by the Fee Appeals Committee.

Appeals are reviewed for the existence of extenuating circumstances that may have prevented the student from meeting his/her obligations in a timely fashion. The following circumstances may warrant approval of the appeal; however success of the appeal rests on the facts in each individual case:

1. Call to or enlisted in active duty military service within the semester.
2. Death of the student or death in the immediate family (parent, spouse, child, sibling).
3. 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.
4. Administrative/University error.

Circumstances generally not sufficient to support an appeal include, but are not limited to:
1. Not being aware of registration and/or tuition due dates.
2. Insufficient financial aid or financial hardship.
3. Lack of familiarity with UWF system or procedures.
4. Withdrawal from a class (or classes) to avoid failure or low grades.
5. Withdrawal from a class (or classes) because of dissatisfaction with an instructor.

Note: Withdrawal appeals (academic or medical) that are submitted to the Registrar’s or Dean of Students Offices at the end of the semester, or withdrawals approved retroactively for a previous semester, will generally not be considered for a refund of tuition.

The submission of a fee appeal does not guarantee approval. In addition, the submission of an appeal does not extend the due date for outstanding tuition and fees or other charges while awaiting a decision by the Fee Appeals Committee. Charges not paid by the due date will be assessed the late payment fee.

If the appeal is denied, the decision of the Fee Appeals Committee may be appealed first to the University Controller, then to the Vice President for Finance and Administration, as designee of the President, who has final authority within the University.
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 the U.S. Bureau of Citizenship and 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 resident 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 or in foster care
- The student is determined an unaccompanied homeless youth by a school district homeless liaison, or by a staff member of an emergency shelter or transitional housing program
- 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
- Florida voter’s registration
- Florida driver’s license
- A State of Florida identification card
- Florida vehicle registration
- Proof of a permanent home in Florida in which the student has resided for at least one year prior to the first day of classes, OR
- Florida professional or occupational license
- Florida incorporation

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, OR
- 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 criterion will be considered as conclusive evidence of domicile:

- Florida voter’s registration
- Florida driver’s license
- A State of Florida identification card
- Florida vehicle registration
- Proof of a permanent home in Florida which is occupied as a primary residence by the individual or by the individual’s parent if the individual is a dependent child (e.g., deed, tax receipts)
- Proof of a homestead exemption in Florida
- Florida professional or occupational license
- Florida incorporation
- Declaration of Domicile in Florida
- Proof of permanent full-time employment in Florida for at least 30 hours per week for the 12 consecutive months before classes begin (e.g., letter on company letterhead from an employer verifying permanent employment)
- Proof of membership in a Florida-based charitable or professional organization
- A document evidencing family ties in Florida
- Proof of reliance upon Florida sources of support
- Any other documentation that supports the student's request for resident status, including, but not limited to, utility bills and proof of 12 consecutive months of payments; a lease agreement and proof of 12 consecutive months of payments; or an official state, federal, or court document evidencing legal ties to Florida

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

Special Categories for Temporary Florida Residency
- Active duty members of the Armed Services of the U.S. stationed in Florida and their spouses and dependents.
- Full-time instructional and administrative personnel employed by state public schools and institutions of higher education and their spouse and dependents.
- Students who are a part of the Latin American/Caribbean Scholarship Program.
- Qualified beneficiary under the terms of the Florida Pre-Paid College Program. (Undergraduate Students only)
- U.S. citizens living on the Isthmus of Panama and have completed 12 consecutive months of college work at the FSU Panama Canal Branch, and their spouses or dependent children.
- Participants of Southern Regional Education Board’s Academic Common Market. (Graduate Students only)
- Full-time employees of state agencies or political subdivisions of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training.
- McKnight Fellowship recipients who are U.S. citizens. (Graduate Students only)
- Active drilling members of the Florida National Guard who qualify under Florida statute for the tuition assistance program.
- Active duty members of the Armed Services of the United States and their spouses/dependent children attending a Florida College System institution or state university within 50 miles of the military establishment where they are stationed, if such a military establishment is within a county contiguous to Florida.
- Active duty members of the Canadian military residing or stationed in Florida under the North American Air Defense (NORAD) Agreement, and their spouses and dependent children, attending a Florida College System institution or state university within 50 miles of the military establishment where they are stationed.
- U.S. citizens living outside the U.S. who are teaching at a Department of Defense Dependent School or in an American International School and who enroll in a graduate level education program which leads to a Florida teaching certificate.
- Active duty members of a foreign nation's military who are serving as liaison officers and are residing or stationed in Florida, and their spouses and dependent children, attending a Florida College System institution or state university within 50 miles of the military establishment where the foreign liaison officer is stationed.

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 undergraduate students should contact the Office of Undergraduate Admissions and new graduate students should contact the Graduate School. Currently enrolled students should contact the Office of the Registrar.

Alabama residents must be U.S. citizens, permanent resident aliens, or legal aliens 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 (students enrolled in a graduate program are considered independent for residency purposes) who has established and maintained legal ties within the state of Alabama as evident by a combination of parent/guardian’s most recent IRS tax return (section listing dependents) and parent/legal guardian’s driver’s license, vehicle 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 tax 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 tax return (section listing dependents) may be required for a dependent child.

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
Residency 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.
Financial Aid

Financial Aid

The Office of Student Financial Aid and Scholarships coordinates the awarding of scholarships, grants, work-study and loans through Federal, State and Institutional funds. We strive to provide access to higher education by reducing financial barriers so our students are able to achieve their goals.

Applying for Aid

To apply for financial aid, students must complete the Free Application for Federal Student Aid (FAFSA), available online at www.fafsa.ed.gov and enter UWF’s school of 003955. Once the FAFSA is processed, the results will be transmitted electronically to UWF and the results will also be e-mailed to the student. We encourage students closely review the SAR. Students must reapply for financial aid each academic year by submitting a new FAFSA. More information on the application process is available here (http://uwf.edu/offices/financial-aid/applying-for-aid/steps-to-apply/)

Types of Aid

Your UWF aid package will be made up of a combination of awards depending on your academic standing, grade level, residency status, dependency status and financial need. Awards including scholarships, grants, waivers, loans and work study opportunities are all part of what makes a UWF education affordable.

Scholarships and grants are non-repayable aid, while a loan is borrowed money that must be repaid, often with interest. We offer employment opportunities in the form of work study for undergraduate students and assistantships for graduate students. The UWF Human Resources Office also offers student employment. Please visit jobs.uwf.edu for a complete list of Student OPS job openings.

For a complete list of types of aid offered at UWF, please visit our website, http://uwf.edu/offices/financial-aid/

Cost of Attendance

Two semester student budgets are used to determine financial aid awards. A student’s Cost of Attendance is based on their level, undergraduate or graduate, their residency and if they living arrangements: on campus, off-campus or commuter. Cost of Attendance charts are available here (http://uwf.edu/offices/financial-aid/cost-of-attendance/cost-of-attendance/)

Important Requirements

• Students are awarding assuming full-time enrollment status. Awards will be cancelled or prorated to a lower amount if a student decides to enroll less than full-time.
• Professors must confirm attendance in each course prior to aid being eligible to disburse.
• Federal regulations dictate that financial aid only be awarded for courses that count toward the student’s degree. Additional courses, or non-required courses, are not funded and cannot be used to determine enrollment status and financial aid eligibility.
• Repeat coursework regulations apply for federal financial aid recipients. Federal aid can be awarded to repeat a course one time (if you previously passed it); however, if a course is repeated a 3rd time, the course will not count for federal financial aid eligibility. Please contact the Financial Aid Office if you must repeat a course (that you previously passed) for a 3rd time.
• Students maintain Satisfactory Academic Progress(SAP) to be eligible for financial aid. Complete SAP policy and appeals process available here (http://uwf.edu/offices/financial-aid/satisfactory-academic-progress/satisfactory-academic-progress/)
• All communication regarding financial aid is sent to the student’s UWF e-mail account.
• For more information on financial aid requirements, please visit our website (http://uwf.edu/offices/financial-aid/)
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 and 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).

Educational Objective
To receive educational benefits from the DVA, the student must be pursuing a VA-approved degree, or be enrolled in a VA-approved certificate program at the University. VA will only pay benefits for classes required for graduation or for completion of an approved certificate program. Required courses must be identified in the student’s degree audit before their course can be certified for VA benefits. Course substitutions to their degree audit must be made prior to VA certification. To avoid delays in a certification, it is a student’s responsibility to ensure that certification is requested only for required courses. Failure to make this confirmation 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 (PDS).

Military Transcripts
Instructions for ordering transcripts for each of the various branches of service can be found at the following locations:

- Army, Coast Guard, Marine Corps, and Navy (Active Duty, Reserve and Veterans): https://jst.doded.mil/smart/welcome.do

UWF VetSuccess on Campus
The VetSuccess on Campus program is a collaborative effort between the U.S. Department of Veterans Affairs (VA) and the University of West Florida (UWF). The goal of the program is to help military Veterans and eligible dependents of military Veterans make a smooth transition to university life and to successfully complete their educational goals. Our VetSuccess Coordinator can assist all students with all things related to VA.

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.

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.

Yellow Ribbon
The University of West Florida is an approved participating Yellow Ribbon Institution for the 2016-2017 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), and also who are not eligible for the C.W. Young Veteran Tuition Waiver. Yellow Ribbon will be granted to the first 250 qualified students on a first-come, first-served basis.

Tuition Assistance and Third party billing: MILITARY TUITION ASSISTANCE:
MTA, also known as Military TA, is a program provided by the Department of Defense and managed by each of the individual services, including the Coast Guard. Each service administers their program differently, and sets their own requirements and guidelines. In each case, the student should register and enroll prior to applying for TA. It is recommended for the soldier to contact the MVRC at 850-474-2550 to confirm the exact amount for each course.

General military tuition assistance information is available from the Military Tuition Assistance Information Center. Specific service related information is available from the following links:

- Army: https://www.goarmyed.com/login.aspx
- Coast Guard: http://www.uscg.mil/hq/cg1/cg1/eso/ta_and_grants/default.asp
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 deferral 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, 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.

<table>
<thead>
<tr>
<th>Semester (Year)</th>
<th>1 Term</th>
<th>2 Term</th>
<th>3 Term</th>
<th>4 Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2016</td>
<td>Nov 19</td>
<td>Sep 20</td>
<td>Nov 10</td>
<td></td>
</tr>
<tr>
<td>Spring 2017</td>
<td>Apr 8</td>
<td>Feb 7</td>
<td>Apr 4</td>
<td></td>
</tr>
<tr>
<td>Summer 2017</td>
<td>Jun 14</td>
<td>Jun 14</td>
<td>Jul 13</td>
<td></td>
</tr>
</tbody>
</table>

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 lower than 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 Military and Veterans Resource Center (mvrc@uwf.edu) for information and help. The earlier a student registers and provides the registration information to the MVRC, 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) concerning absences 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. The NF grade is assigned to students who have ceased attending class but have not officially withdrawn. NF Grades count 0 grade point hours in the GPA. If a student receiving DVA benefits receives a grade of NF, the DVA will be notified and benefits may be reduced accordingly.

### Withdrawals:

#### Military Duty:

In the case of a student called to active duty military service or change of orders due to military conflict within a semester, the student must contact the Office of the Registrar and provide a copy of military orders immediately. Students should also contact the MVRC before withdrawing. 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 course at a later date. Students are asked to notify UWF of their 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 an appropriate statement indicating action taken was due to military active duty service.

#### Medical Withdrawal:

Medical withdrawals are processed by the Dean of Students. Students who may qualify for a medical withdraw should submit the Request for Medical Withdrawal and supporting documents to the Dean of Students Office.

### 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;
- 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.

### Part of Term Courses

Part of Term courses are those beginning and/or ending on dates other than the regular semester dates. These are referred to as Part of Term 5, Part of Term 6, Part of Term 7, Part of Term 8 and Part of Term 9. The Part of Term designation is determined by which month in the semester the course begins; i.e. a course starting in the first month of the semester but beginning/ending on a non-standard date would be identified as Part of Term 5. Students should be aware that the Department of Veteran Affairs (DVA) review is made on a term-by-term basis and not by semester. Taking Part of Term courses may affect the student's training time or rate of pursuit for pay purposes; since this varies by benefit chapter, students should contact the MVRC to determine their training time and qualifications for full benefits.

<table>
<thead>
<tr>
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<th>1 Term</th>
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<tbody>
<tr>
<td>Fall 2016</td>
<td>8/22-12/02</td>
<td>8/22-10/07</td>
<td>10/12-12/02</td>
<td>XX</td>
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<tr>
<td>Spring 2017</td>
<td>1/09-04/28</td>
<td>1/09-02/24</td>
<td>3/6-4/28</td>
<td>XX</td>
</tr>
<tr>
<td>Summer 2017</td>
<td>05/15-08/11</td>
<td>05/15-06/27</td>
<td>06/29-08/11</td>
<td>06/14-08/11</td>
</tr>
</tbody>
</table>

Congressman C.W. "Bill" Young Veteran Tuition Waiver Program

UWF students who are honorably discharged Veterans of the United States Armed Forces, the United States Reserve Forces, or the National Guard, who physically reside in Florida and their Dependents (spouse and/or child) who are using VA Education Benefits are eligible for a waiver of out-of-state fees. The student Veteran must present to the Military and Veterans Resource Center, a copy of the Department of Defense Form 214 (DD214) or Certificate of Eligibility (COE) and documentation of their residence before each semester. Dependents who are utilizing VA Education benefits must provide documentation verifying their eligibility to use VA Education Benefits (COE), proof of current residence, and a completed C. W. “Bill” Young Tuition Waiver Application (http://uwf.edu/media/university-of-west-florida/offices/military-veteran-resource-center/documents/forms/CW-Young-Veterans-Out-of-State-Fee-Waiver.pdf) at the beginning of each semester to qualify for the waiver.

The form to request this waiver can be found by going to this web site: http://uwf.edu/offices/military-veteran-resource-center/scholarships--waivers/cw-young-veterans-out-of-state-fee-waiver/

Completed applications, along with the requested documentation must be submitted to the Military and Veterans Resource Center (MVRC). Assistance in retrieving lost DD214s can be found by visiting the MVRC.

https://jst.doded.mil/smart/welcome.do
Online Campus

The Academic Technology Center is responsible for The University of West Florida (UWF) Online Campus and supports all fully online, blended, and web-conferencing undergraduate and graduate degree and certificate programs. The Online Campus website (uwf.edu/online) provides one-stop shopping to distance learning students for information, advising, admissions procedures, course registration, and helpful tips and links to the same quality services and student support available on all UWF campuses.

Online Campus Programs

The UWF Online Campus offers over 500 online course sections each semester that lead to over 40 different undergraduate (http://uwf.edu/online/what-we-offer/undergraduate) and graduate (http://uwf.edu/online/what-we-offer/graduate) degrees as well as credit-earning certificate (http://uwf.edu/online/what-we-offer/certificates) programs. Students enrolling in Online Campus programs will experience interactive, personalized strategies for online course delivery as well as access to the Online Campus staff ready to provide additional assistance as needed.

Out-of-State Tuition Waivers

Admittance to any of the Online Campus 40+ degree or certificate programs provides the opportunity to apply for an out-of-state tuition waiver (http://uwf.edu/online/we-are-affordable/waiver-info) that substantially reduces tuition for non-Florida residents. Online Campus tuition and fees (http://uwf.edu/online/we-are-affordable/tuition-fees) include a $15 per credit hour charge for every online course.

Online Campus Student Support

The Online Campus staff can serve as the primary point of contact for fully online student needs and may be contacted for assistance at: online@uwf.edu, 1-888-529-1823 (toll free), or locally at (850) 473-7209. Online students requiring more specialized support services will be transferred internally to the appropriate campus point of contact.
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 (http://uwf.edu/offices/research-sponsored-programs)

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 Involvement Department (UCSI) coordinates all Campus Activity Board events, Homecoming activities, Argos Arrival (welcome week) events, student organization events including fraternity and sorority recruitment, and emerging leadership and community service programs. The department 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 160 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 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. UCSI maintains an online service called ArgoPulse (http://uwf.edu/offices/student-organizations/) 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 UCSI website at uwf.edu/ ucommons/ for details and contact information.

Intercollegiate Athletics

The intercollegiate athletic program comprises competitive teams in fifteen sports: men’s teams in baseball, basketball, cross country, football (to debut Fall 2016), 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 (GSC). Championship playoff opportunities are provided in each sport. Each team plays a full schedule of competition with schools throughout the southeastern United States. The Argonauts have won 85 total GSC championships, including a record 8 conference championships in the 2013-14 season. The Argonauts have won 8 national team championships and 13 individual national championships.

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

Title IX of the Education Amendments of 1972

Title IX of the Education Amendments of 1972 prohibits discrimination based on sex and/or gender in federally funded programs or activities. The University of West Florida does not discriminate on the basis of sex and/or gender in its educational programs or activities. The University’s policies related to Title IX are the Sexual Misconduct and Gender-Based Discrimination Policy (P-14.01-11/13) and the University Policy Prohibiting Discrimination, Harassment and Retaliation (P-13.03 -05/10).

In addition, most University employees (both faculty and staff) are considered Responsible University Employees under the Sexual Misconduct and Gender-Based Discrimination Policy. Responsible University Employees are defined as any employee with the authority to address student-on-student sexual misconduct, or any employee who a student may reasonably perceive to have the authority to address student-on-student sexual misconduct.

Responsible University Employees are required to immediately notify the University’s Title IX Coordinator in the event that a student or employee discloses any alleged sexual violence, sexual misconduct, or gender-based discrimination to him or her.

For inquiries concerning the application of Title IX and the federal regulations associated with the law, or to inquire regarding your status or responsibilities as a Responsible University Employee, please contact the Title IX Coordinator (contact information below). Students or employees who believe that they are being discriminated against or harassed on the basis of sex and/or gender may seek advice, assistance, report incidents, and/or file complaints with any of the following individuals:

Karen Rentz, PHR
Director of Equal Opportunity and Compliance
Title IX Coordinator
Building 20E
(850) 474-2175, krentz@uwf.edu

Brandon Frye, Ph.D
Assistant Vice President for Student Affairs/Dean of Students
Deputy Title IX Coordinator
Building 21
(850) 474-2384, bfrye@uwf.edu

Meghan Barter
Associate Athletic Director
Deputy Title IX Coordinator
Building 54
(850) 474-3055, mbarter@uwf.edu

Ruth Davison, Ph.D
Director of Residence Life and Housing
Deputy Title IX Coordinator
Building 19
(850) 474-2463, rdavison@uwf.edu

Additional Information about Title IX can be obtained from the Office for Civil Rights (OCR), Department of Education. OCR’s contact information is available through:

http://www.hhs.gov/ocr/about-us/index.html or 1-800-421-3481
Student Services and Resources

Bookstore – The Official UWF Bookstore
• Official UWF Bookstore
• Online Ordering
• Rental Books
• Bookstore Deferment Program
Refer to information on the UWF Bookstore (http://uwf.edu/offices/business-auxiliary-services/bookstore/uwf-bookstore-overview).

UWF Libraries
Library Information and Campus Locations (p. 73)

Career Services
Internships and Cooperative Education (http://uwf.edu/offices/career-services/students/experiential-learning); Refer to information on Career Services (http://uwf.edu/offices/career-services).

Child Care
Refer to information on Educational Research Center for Child Development (http://uwf.edu/offices/educational-research-center-for-child-development (ERCCD)).

Copy Services
Refer to information on Copy Services (http://uwf.edu/offices/business-auxiliary-services/copy-service/copy-service-overview).

Counseling and Wellness
Counseling and Psychological Services has two areas: Counseling and Psychological Services (http://uwf.edu/offices/counseling-psychological-services) and Wellness Services (http://uwf.edu/offices/wellness-services).

Dining Services
Refer to information on Dining Services (http://uwf.edu/offices/business-auxiliary-services/dining-service/dining-services-overview).

Disability Services for Students
Refer to information on the Student Disability Resource Center (http://uwf.edu/offices/student-disability-resource-center).

Equity, Diversity & International Affairs
• 21st Century Scholars
• Academic Center for Excellence
• TRiO/Student Support Services Program
Refer to information on Equity, Diversity & International Affairs (http://uwf.edu/offices/university-college/departments/equity-diversity).

21st Century Scholars
Refer to information on 21st Century Scholars (http://uwf.edu/offices/cutla/supporting-pages/where-to-send-students-for-help).

Academic Center for Excellence
Refer to information on the Academic Center for Excellence (ACE) (http://uwf.edu/offices/university-college/departments/advising-retention/ace/what-we-do).

TRiO/Student Support Services Program
Refer to information on TRiO Student Support Services (http://uwf.edu/offices/university-college/departments/equity-diversity/trio/what-we-do).

Health Services
Refer to information on Student Health Services (http://uwf.edu/offices/student-health-services).

Housing and Residence Life
Refer to information on Housing and Residence Life (http://uwf.edu/offices/housing-and-residence-life).

ID/Nautilus Card
Refer to information on Nautilus Card (http://uwf.edu/offices/business-auxiliary-services/nautilus-card/nautilus-card-overview).

Information Technology Services

Parking and Transportation Services
• Parking on Campus
• UWF Trolley
• ECAT Bus Service
Refer to information on Parking and Transportation (http://uwf.edu/offices/business-auxiliary-services/parking-and-transportation/parking-on-campus-overview).

Postal Services
Refer to information on UWF Postal Services (http://uwf.edu/offices/business-auxiliary-services/postal-services/postal-services-overview).

Recreation and Sports Services
• The Fitness Center
• Intramural Sports
• Sports Clubs
• Outdoor Adventures
• Aquatic Center
• Recreational Equipment
Refer to information on Recreation and Sports Services (http://uwf.edu/offices/recreation-and-sports-services).
Skills Improvement Centers

- **The Mathematics and Statistics Tutoring Laboratory**
  
  Refer to information on the Mathematics and Statistics Tutoring Laboratory (http://uwf.edu/cse/departments/mathematics-and-statistics/mathstat-tutor-lab).

- **UWF Writing Lab**
  
  Refer to information on the Writing Lab (http://uwf.edu/cassh/support-resources/writing-lab).

University Testing Center

Refer to information on the University Testing Center (http://uwf.edu/offices/testing-center).

Vending Services/Beverage Rights

Refer to information on Vending Services (http://uwf.edu/offices/business-auxiliary-services/vending-services/vending-services-overview).
UWF Libraries

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 858,102 volumes, over 1.7 million microform pieces, 170,000 e-books, over 6,715 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.
Undergraduate Degrees, Specializations, and Minors

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 (p. 78)

Bachelor's Degrees
B.A. - Bachelor of Arts
B.F.A. - Bachelor of Fine Arts
B.G.S. - Bachelor of General Studies
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.M.E. - Bachelor of Mechanical Engineering
B.S.N. - Bachelor of Science in Nursing*
B.S.W. - Bachelor of Social Work

• Accounting, B.S.B.A. (p. 79)
• Anthropology, B.A. (p. 82)
  • Archaeology
  • Biological Anthropology
  • Cultural Anthropology
  • General Anthropology
• Art, B.A. (p. 87)
  • Art History
  • Studio Art
• Arts, Fine, B.F.A. (p. 183)
  • Art
  • Digital Art
  • Graphic Design
• Athletic Training, B.S. (p. 90)*
• Biology, B.S. (p. 93)
  • General Biology
  • Pre-Professional
• Biomedical Sciences, B.S. (p. 97)
• Business, General B.S.B.A. (p. 100)
• Career & Technical Education, B.S. (p. 103)
  • Workforce and Program Development**
• Chemistry, B.A (p. 107). & Chemistry, B.S. (p. 113)
  • Chemistry
  • Chemistry/Biochemistry
• Clinical Laboratory Sciences, B.S. (p. 118)*

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• Computer Engineering, B.S.C.E. (p. 127)
• Computing and Information Sciences, B.S. (p. 131)
  • Computer Information Systems
  • Computer Science
  • Cybersecurity
  • Software Engineering
• Criminal Justice, B.A. (p. 141)**
• Economics, B.A. (p. 144)
• Economics (Business), B.S.B.A. (p. 147)
  • Comprehensive Economics
  • Global Economics
• Education, Elementary, B.A. (p. 155)
  • Elementary Education Certification
• Education, (p. 177) Exceptional Student, (p. 177) B.A. (p. 177)
  • Exceptional Student Education Certification
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  • Information Engineering Technology
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  • English/Writing
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  • Natural Science
• Finance, B.S.B.A. (p. 180)
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• Global Hospitality and Tourism, B.S.B.A. (p. 195)
• Global Hospitality and Tourism, B.S. (p. 191)
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  • Exercise Science
  • Fitness and Conditioning
  • Physical Education/Teacher Education
  • Sport Management
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  • Public Health
• History, B.A. (p. 212)
  • History
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  • Arts Administration
  • Women’s, Gender, and Sexuality Studies
• Information Technology, B.S. (p. 219)
  • Digital Enterprise
  • Information Technology
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• International Studies, B.A.* (p. 224)
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• Political Science, B.A. (p. 275)
  • Political Science**
  • Pre-Law**

• Psychology, B.A. (p. 282) & Psychology, B.S. (p. 285)

• Sciences, Interdisciplinary, B.S. (p. 293)
  • Pre-Pharmacy
  • Zoo Science

• Social Sciences, Interdisciplinary, B.A. (p. 298)
  • Children and Society
  • Informal Education and Learning

• Social Work, B.S.W. (p. 301)

• Supply Chain Logistics Management, B.S.B.A. (p. 305)

• Theatre, B.A. & (p. 309) Theatre, B.F.A. (p. 312)

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

**Special Programs**

• Teacher Education Programs (p. 308)

• Reserve Officers Training Corps (ROTC)
  • Air Force (p. 291)
  • Army (p. 289)

**Minors**

• Accounting (p. 81)

• Africana Studies (p. 85)

• Aging Studies Interdisciplinary (p. 301)

• Air and Space Studies (p. 291)

• Anthropology (p. 82)

• Art (p. 87)

• Biology (p. 93)

• Building Construction (p. 159)

• Business (p. 246)

• Business Economics (p. 147)

• Business Intelligence (p. 236)

• Chemistry (p. 107)

• Child Welfare (p. 301)

• Community Health Promotion (p. 124)

• Computer Engineering (p. 127)

• Computer Information Systems (p. 131)

• Computer Science (p. 131)

• Criminal Justice (p. 141)

• e-Business (p. 236)

• Economic Policy (p. 144)

• Education, Early Childhood (p. 155)

• Education, Professional (p. 281)

• Electrical Engineering (p. 151)

• English (p. 163)

• Environmental Science (p. 167)

• Finance (p. 180)

• Forensic Studies (p. 141)

• General Communication (p. 121)

• Geographic Information Science (p. 167)

• Geography (p. 167)

• Global Hospitality and Tourism (p. 191)

• History (p. 212)

• International Studies (p. 224)

• Information Technology (p. 131)

• Juvenile Justice (p. 141)

• Latin American Studies (p. 82)

• Leadership Communication (p. 121)

• Management (p. 232)

• Management Information Systems (p. 236)

• Maritime Studies (p. 243)

• Marketing (p. 246)

• Marketing Applications (p. 246)

• Mathematics (p. 250)

• Military Science (ROTC students only) (p. 289)

• Music (p. 256)

• Philosophy (p. 268)

• Physics (p. 271)

• Political Science (p. 275)

• Public Administration (p. 288)

• Pre-Law/Legal Studies (p. 229)

• Pre-Law/Political Science (p. 275)

• Psychology (p. 285)

• Public Administration (p. 288)

• Quantitative Economics (p. 144)

• Social Welfare (p. 301)

• Sociology (p. 82)

• Spanish (p. 224)

• Sport and Exercise Psychology (p. 282)

• Substance Abuse (p. 301)

• Theatre (p. 309)

• Women’s, Gender, and Sexuality Studies (p. 215)
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.
• Criminal Justice, B.A.
• Electrical Engineering, B.S.E.E.
• Global Hospitality and Tourism Management, B.S.*
• Management, B.S.B.A.
• Mechanical Engineering, B.S.M.E.
• 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, B.S.
  • Network Systems Operations
• Maritime Studies, B.A.
• Nursing, R.N. to B.S.N.

** 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:

Arabic Language and Culture (p. 86)
Business Intelligence (p. 236)
Career and Technical Education Program (p. 106)
Cybersecurity (p. 139)
Digital Marketing (p. 249)
Financial Institutions Certificate Level 1 (p. 182)
Financial Institutions Certificate Level 2 (p. 182)
Geographic Information Science (p. 174)
Geographic Information Science - Archaeology (p. 174)
Geospatial Computing (p. 175)
Geospatial Cybersecurity (p. 131)
Human Resources (p. 284)
Human Resources Management (p. 234)
Information Security Management (p. 238)
Intelligence Analysis Certificate (p. 162)
Leadership Communication (p. 123)
Management Development (p. 235)
Microsoft Certified Systems Administration (p. 255)
Public Health: Occupational Safety and Health (p. 211)
Public, Technical and Workplace Writing (p. 163)
Sales Management (p. 249)
Small Business Management/Entrepreneurship (p. 235)
Supply Chain Logistics (p. 307)
Technology Systems Support (p. 162)

Undergraduate Certificates Available at the UWF Online Campus

- Arabic Language and Culture (p. 86)
- Business Intelligence (p. 236)
- Career and Technical Education Program (p. 106)
- Geographic Information Science (p. 174)
- Geographic Information Science - Archaeology (p. 174)
- Information Security Management (p. 238)
- Intelligence Analysis Certificate (p. 162)
- Public Health: Occupational Safety and Health (p. 211)
- Technology Systems Support (p. 162)
Associate of Arts

Associate of Arts (A.A.): General Degree Requirements

The general A.A. degree is available to students who have met the following requirements:

- Satisfied the requirements of UWF’s General Education curriculum
- 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 Education courses (contact the First Year Advising Center for details)
- Fulfilled the Gordon Rule Writing and Mathematics requirements
- Have a UWF cumulative GPA of at least 2.0
- Completed the admissions foreign language requirement
- A degree will not be awarded for a student on academic probation or suspension
- A. A. degree candidates must be 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 number 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, are currently enrolled, and have not previously been awarded an Associate degree elsewhere will automatically receive the A.A. degree. 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.
Accounting

The B.S.B.A. in Accounting is an included program in the University's accreditation by AACSB International.

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 Education requirements and Common Prerequisites.

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

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 79)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
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</table>

Mathematics (p. 79)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>
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Group B

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<td>MAC 1114</td>
<td>Trigonometry</td>
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<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</table>

Social Sciences (p. 79)

Choose one course from Group A and one additional course from either Group A or Group B

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</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>
</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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 79)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 79)
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

Accounting Specialization

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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

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

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to complete at least 30 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4600) to meet this elective requirement.

Upper Division

College of Business BSBA Core

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<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>MAN 4720</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 30

College of Business Undergraduate Transfer Credit Policy

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida’s Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

Accounting Specialization

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3101</td>
<td>Intermediate Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACG 3111</td>
<td>Intermediate Financial Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACG 3343</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>
ACG 3401  Accounting Information Systems +  3
ACG 4151  Accounting Theory +  3
ACG 4201  Advanced Financial Accounting +  3
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

ACG 3180  Financial Statement Analysis
ACG 4682  Forensic Accounting
ACG 4941  Accounting Internship
TAX 4012  Corporate Income Tax
BUL 4244  Commercial Law

Total Hours  30

Courses included in the major GPA

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.

ACG 3101  Intermediate Financial Accounting I  3
ACG 3111  Intermediate Financial Accounting II  3
ACG 3343  Cost Accounting  3
ACG 3401  Accounting Information Systems  3
ACG 4651  Auditing  3
TAX 4001  Tax Accounting  3
or TAX 3021  Tax For Decision Makers

Students who have not completed the COB core will need to complete the following prerequisite courses: 0-21

ACG 2021  Principles of Financial Accounting
ACG 2071  Principles of Managerial Accounting
CGS 2570  Personal Computer Applications
ECO 3003  Principles of Economic Theory and Public Policy
FIN 3403  Managerial Finance
MAC 1105  College Algebra
STA 2023  Elements of Statistics

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 Education 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 82)

<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>
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Mathematics (p. 82)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>MAC 1105</td>
<td>College Algebra</td>
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<tr>
<td></td>
<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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<td></td>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
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<td></td>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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<th>Course</th>
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<td></td>
<td>MAC 1114</td>
<td>Trigonometry</td>
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<td></td>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</table>

Social Sciences (p. 82)

Choose one course from Group A and one additional course from either Group A or Group B

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<th>Course</th>
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<tr>
<td></td>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td></td>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td></td>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td></td>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td></td>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<td></td>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<td>Introduction to Archaeology</td>
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<tr>
<td></td>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td></td>
<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td></td>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td></td>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td></td>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
<tr>
<td></td>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td></td>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
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<tr>
<td></td>
<td>GEB 1011</td>
<td>Introduction to Business</td>
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<td></td>
<td>IDH 1041</td>
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<td></td>
<td>INR 2002</td>
<td>International Politics</td>
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<tr>
<td></td>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<td></td>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<tr>
<td></td>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td></td>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 82)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td></td>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td></td>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td></td>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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<td>The Theatre Experience</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
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<tbody>
<tr>
<td></td>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td></td>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td></td>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<td></td>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
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<tr>
<td></td>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
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<tr>
<td></td>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>IDH 1040</td>
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<td></td>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<td></td>
<td>PHI 2103</td>
<td>Critical Thinking</td>
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<tr>
<td></td>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
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<td></td>
<td>REL 1300</td>
<td>World Religions</td>
</tr>
<tr>
<td></td>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td></td>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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</table>

Natural Sciences (p. 82)
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

Group A

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
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<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
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Group B

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<th>Course Title</th>
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<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

Lower Division Anthropology (ANT) Courses * 6
Total Hours 6

The department recommends that the requirement be met with ANT 2000 Introduction to Anthropology and ANT 2511L Biological Anthropology Lab (excess one hour may be used as elective).

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.

Recommend that these courses be taken as electives:

- Foreign language courses 8-14

Total Hours 8-14

General Anthropology Specialization

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3002</td>
<td>Principles of Archaeology +</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture *</td>
</tr>
<tr>
<td>ANT 4191C</td>
<td>Archaeological Data Analysis +</td>
</tr>
<tr>
<td>3000/4000 level Anthropology course in Biological Anthropology +</td>
<td></td>
</tr>
<tr>
<td>Two 3000/4000 level courses in Anthropology +</td>
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</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropology +</td>
</tr>
<tr>
<td>ANT 4115</td>
<td>Method and Theory in Archaeology</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
</tr>
<tr>
<td>ANT 4182C</td>
<td>Conservation of Archaeological Materials +</td>
</tr>
<tr>
<td>ANT 4808</td>
<td>Applied Anthropology +</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Terrestrial Archaeological Field Methods +</td>
</tr>
<tr>
<td>ANT 4835</td>
<td>Maritime Archaeological Field Methods +</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
</tr>
<tr>
<td>ANT 3153</td>
<td>North American Archaeology +</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology +</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>North American Indians +</td>
</tr>
<tr>
<td>ANT 3363</td>
<td>Japanese Culture +</td>
</tr>
<tr>
<td>ANT 4155</td>
<td>Archaeology of the Southeastern United States</td>
</tr>
</tbody>
</table>

If not completed at the lower division:

<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 2511+L</td>
<td>Biological Anthropology (+Lab)</td>
</tr>
</tbody>
</table>

Total Hours 30-38

+ Courses included in the major GPA

Major-Related

Advisor approved elective 3

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 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3101</td>
<td>Principles of Archaeology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4115</td>
<td>Method and Theory in Archaeology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4172</td>
<td>Historical Archaeology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4180L</td>
<td>Laboratory Methods in Archaeology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4190</td>
<td>Historic Preservation in Archaeology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4191C</td>
<td>Archaeological Data Analysis +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4525</td>
<td>Human Osteology +</td>
<td>4</td>
</tr>
<tr>
<td>ANT 4525L</td>
<td>Human Osteology Lab +</td>
<td>0</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Human Origins +</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

- 3000/4000 level Anthropology courses +
  - 3-10

Total Hours 43-57

Major-Related

Advisor approved elective

If not completed at the lower division:

- AN 3153 North American Archaeology +
- AN 3158 Florida Archaeology +
- AN 4155 Archaeology of the Southeastern United States +

Choose one of the following:

- AN 4121 Combined Archaeological Field Methods +
- AN 4824 Terrestrial Archaeological Field Methods +
- AN 4835 Maritime Archaeological Field Methods +

If not completed at the lower division:

- AN 2000 Introduction to Anthropology
- AN 2511 Biological Anthropology

Total Hours 7-25

Cultural Anthropology Specialization

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3101</td>
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</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>Human Osteology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4525L</td>
<td>Human Osteology Lab +</td>
<td>0</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Modern Human Physical Variation +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4550</td>
<td>Primatology +</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Human Origins +</td>
<td>3</td>
</tr>
</tbody>
</table>

3000/4000 level advisor-approved Anthropology courses +

Choose one of the following:

- AN 4034 History of Anthropology +
- AN 4115 Method and Theory in Archaeology +

Choose one of the following:

- AN 4523 Field Methods in Forensic Anthropology +
- AN 4824 Terrestrial Archaeological Field Methods +

Advisor approved field methods course

If not completed at the lower division:

- AN 2000 Introduction to Anthropology
- AN 2511 Biological Anthropology
- AN 2511L Biological Anthropology Lab

Total Hours 31-47

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

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
Courses included in the major GPA

### Major-Related

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>3000/4000 level advisor approved electives outside Anthropology</td>
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</tr>
<tr>
<td>CRW 4211</td>
<td>Creative Non-Fiction</td>
</tr>
<tr>
<td>JOU 4308</td>
<td>Magazine Writing</td>
</tr>
<tr>
<td>Advisor approved elective</td>
<td></td>
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</table>

**Total Hours** **12**

### Upper Division Electives

Students 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 Name</th>
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<tbody>
<tr>
<td>AMH 4575</td>
<td>Civil Rights</td>
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<tr>
<td>ANIL 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>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** **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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4575</td>
<td>Civil Rights</td>
</tr>
<tr>
<td>ANIL 3624</td>
<td>Black Women Writers</td>
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<tr>
<td>ANT 3352</td>
<td>African Cultures</td>
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<td>ANT 3610</td>
<td>Language and Culture</td>
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<tr>
<td>ANT 4451</td>
<td>Race, Ethnicity, and Culture</td>
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<tr>
<td>INP 4224</td>
<td>Psychology of Workforce Diversity</td>
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<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**

### Anthropology

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
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<tbody>
<tr>
<td>ANT 2511+L</td>
<td>Biological Anthropology (+Lab)</td>
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<tr>
<td>ANT 3101</td>
<td>Principles of Archaeology</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
</tr>
<tr>
<td>3000/4000 level Anthropology courses</td>
<td>9</td>
</tr>
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</table>

**Total Hours** **19**

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<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.

### Sociology

The Sociology minor provides students with knowledge of basic theoretical concepts in the discipline and applies the major theoretical perspectives to contemporary society. The program emphasizes cultivating the sociological imagination by developing students’ awareness of the social component of all dimensions of human experience and how people’s lived experiences and views are shaped by social forces.

Students must demonstrate their command of and competence in sociology by successfully completing four 2000/4000 level courses from the approved list and one advisor approved Social Science course from a related discipline.

<table>
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<th>Course Name</th>
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<tbody>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
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<tr>
<td>CCJ 3014</td>
<td>Criminology</td>
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<tr>
<td>SYD 3810</td>
<td>Introduction to Women’s Studies</td>
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<tr>
<td>SYD 4800</td>
<td>Sociology of Sex Roles</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>or SYG 2010</td>
<td>Current Social Problems</td>
</tr>
<tr>
<td>SYO 3100</td>
<td>The Family</td>
</tr>
<tr>
<td>SYO 4530</td>
<td>Inequality in America</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Popular Culture</td>
</tr>
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</table>

### Fine and Performing Arts

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<td>Art and Archaeology of the Ancient Andes</td>
</tr>
<tr>
<td>ARH 4653</td>
<td>Art and Archaeology of Mesoamerica</td>
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### Geography

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

### History

<table>
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<th>Course Name</th>
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<tbody>
<tr>
<td>LAH 3200</td>
<td>Latin America since Independence</td>
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</table>

### Literature

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

### Political Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4303</td>
<td>Politics of Spain, Portugal, and Latin America</td>
</tr>
</tbody>
</table>
Arabic Language and Culture Certificate

College: Arts and Sciences
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 though 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</th>
<th>Title</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 and Language 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 (p. 86) Beginning Arabic and Language Culture I and ARA 1121C (p. 86) Beginning Arabic and Language Culture II) satisfies Florida’s foreign language admission requirements.
Art

The B.A. in Art is awarded to students in two areas of specialization: Studio Art 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. 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 87)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>
</tbody>
</table>

Mathematics (p. 87)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td></td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

Social Sciences (p. 87)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td></td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td></td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
<td></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>
<td></td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>
<td></td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
<td></td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
<td></td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td></td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td></td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td></td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

Humanities (p. 87)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
<td></td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
<td></td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
<td></td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
<td></td>
</tr>
<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
<td></td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
<td></td>
</tr>
<tr>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
<td></td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
<td></td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
<td></td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td></td>
</tr>
<tr>
<td>REL 1300</td>
<td>World Religions</td>
<td></td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
<td></td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

Natural Sciences (p. 87)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2203C</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology I</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 87)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

Studio Art Specialization

Common Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 1300C</td>
<td>Drawing I - Fundamentals</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
</tr>
</tbody>
</table>

The following are recommended Introductory Media Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</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 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</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3590</td>
<td>Perspectives in Ancient and World Art</td>
</tr>
<tr>
<td>ART 3213C</td>
<td>Advanced Ideas and Concepts</td>
</tr>
<tr>
<td>ART 3312C</td>
<td>Drawing III: The Figure</td>
</tr>
<tr>
<td>3000/4000 level Art History (ARH) electives</td>
<td></td>
</tr>
<tr>
<td>3000/4000 level Studio Art (ART) electives</td>
<td></td>
</tr>
<tr>
<td>Personal Directions Course in concentration</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4450</td>
<td>Modern Art 1900-1950</td>
</tr>
<tr>
<td>ARH 4470</td>
<td>Art After 1950</td>
</tr>
</tbody>
</table>

If not completed at the lower division:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
</tr>
</tbody>
</table>

Total Hours 39-45

Major-Related

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000/4000 Level Art, Humanities, or Advisor Approved Elective Courses</td>
<td>12</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
</tr>
<tr>
<td>ANT 4651</td>
<td>Aesthetics &amp; Critical Theory</td>
</tr>
<tr>
<td>ARH 4930</td>
<td>History of Art History Seminar</td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Philosophy of Art</td>
</tr>
</tbody>
</table>

Total Hours 15

+ Courses included in the major GPA

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.

Total Hours 0-6

Art History Specialization

Common Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 1300C</td>
<td>Drawing I - Fundamentals</td>
</tr>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Two-Dimensional Design</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Three-Dimensional Design</td>
</tr>
<tr>
<td>ART 2XXX</td>
<td>(Foreign Language Suggested - See Advisor)</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 0-3 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>Total Hours</th>
<th>0-3</th>
</tr>
</thead>
</table>

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>
<tr>
<td>3000/4000 level Art History (ARH) courses **, +</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>3000/4000 level Studio Art (ART) electives +</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></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></td>
</tr>
<tr>
<td>ARH 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></td>
</tr>
<tr>
<td>Total Hours</td>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>

* If no credit earned in ART 2500C
** May not include ARH 4835
+ Courses included in the major GPA

**Major-Related**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000/4000 level Art, Humanities, or advisor-approved courses - may include one third year level foreign language (may be 2000 level)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<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></td>
</tr>
<tr>
<td>Total Hours</td>
<td>15</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 necessary. If students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses at UWF.

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>3</th>
</tr>
</thead>
</table>

**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:**

See Professional Education Minor (p. 281) page for information.
The Athletic Training major is designed to prepare students for an entry-level allied healthcare career in the athletic training profession (high school athletics, college/university athletics, professional sport teams, industrial, or sports medicine clinic/outreach settings). This program, specifically designed to meet national and state licensure requirements, includes a three-year comprehensive plan of study starting in the sophomore year that combines classroom and clinical education components. Students graduating from this program may be eligible to sit for the National Athletic Trainers’ Association (NATA) Board of Certification (BOC) examination and athletic training state licensure/certification in Florida (as well as other states). BOC exam eligibility requirements are defined in the ATP Retention and Program Progression Guidelines. Contact the Program Director for this information. The Athletic Training major is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

**Program Requirements**

Students may declare a preliminary major in Athletic Training, but may not enroll in the initial clinical course (ATR 3812 Athletic Training Clinical I) until the fall semester of each year after being formally admitted to this limited access program. Acceptance into the program is competitive. Minimum application requirements are based on the prerequisites for entry into ATR 3812. After meeting admission requirements, the student must earn a grade of “B-” or better in all major courses and a grade of “C” or better in all major-related courses to graduate. Additionally, students admitted into the athletic training major must adhere to the program retention policies as outlined in the Athletic Training Student Handbook. BOC certification exam eligibility requirements are defined in the program retention policies. For more information, contact the Director of Athletic Training Education.

**General Studies**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

**General Studies Curriculum:**

**Communication (p. 90)**

<table>
<thead>
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<tr>
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**Mathematics (p. 90)**

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<td>College Algebra</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>STA 2023</td>
<td>Elements of Statistics</td>
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<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
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<td>Analytic Geometry and Calculus II</td>
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**Social Sciences (p. 90)**

Choose one course from Group A and one additional course from either Group A or Group B

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<thead>
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<tr>
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<tr>
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<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
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<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>Western Perspectives I</td>
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<td>Western Perspectives II</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>
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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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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**Humanities (p. 90)**
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ARH 1000  Art Appreciation</td>
<td>AML 2072  Sex, Money, and Power in America</td>
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<td>LIT 2000  Introduction to Literature</td>
<td>ARH 2050  Western Survey I: Greek to Renaissance</td>
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<td>MUL 2010  Music Appreciation</td>
<td>ARH 2051  Western Survey II: Baroque to Contemporary</td>
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<td>PHI 2010  Introduction to Philosophy</td>
<td>ART 1015C  Exploring Artistic Vision</td>
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<td>THE 2000  The Theatre Experience</td>
<td>ART 2821  Art and Visual Culture Today</td>
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<td></td>
<td>CRW 2001  Introduction to Creative Writing</td>
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<td>IDH 1040  Honors Core 1</td>
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<td>MUH 2930  The Music Experience: Special Topics</td>
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<td></td>
<td>PHI 2103  Critical Thinking</td>
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<td></td>
<td>PHI 2603  Ethics in Contemporary Society</td>
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<td></td>
<td>REL 1300  World Religions</td>
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<td>THE 2300  Survey of Dramatic Literature</td>
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<td>SPC 2608  Basic Communication Skills</td>
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Natural Sciences (p. 90)

<table>
<thead>
<tr>
<th>Choose one course from Group A and one additional course from either Group A or Group B</th>
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<tbody>
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<td>Group A</td>
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<tr>
<td>AST 1002  Descriptive Astronomy</td>
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<td>BSC 1005  General Biology for Non-Majors</td>
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<td>BSC 1085  Anatomy and Physiology I</td>
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<td>CHM 1020  Concepts in Chemistry</td>
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<td>CHM 2045  General Chemistry I</td>
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<td>ESC 2000  Introduction to Earth Science</td>
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<tr>
<td>EVR 2001  Introduction to Environmental Science</td>
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<tr>
<td>PHY 1020  Introduction to Concepts in Physics</td>
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<td>PHY 2048  University Physics I</td>
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<td>PHY 2048C  University Physics I - Studio</td>
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<td>PHY 2053  General Physics I</td>
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<tr>
<td>Group B</td>
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<tr>
<td>ANT 2511  Biological Anthropology</td>
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<td>BOT 2010  General Botany</td>
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<td>BSC 1050  Fundamentals of Ecology</td>
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<td>BSC 1086  Anatomy and Physiology II</td>
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<td>BSC 2311  Introduction to Oceanography and Marine Biology</td>
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<td>CGS 2060  Excursions in Computing</td>
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<td>CHM 1032  Fundamentals of General Chemistry</td>
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<td>GEO 1200  Physical Geography</td>
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<td>MCB 1000  Fundamentals of Microbiology</td>
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<tr>
<td>PHY 2049  University Physics II</td>
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</tr>
<tr>
<td>PHY 2054  General Physics II</td>
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</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 90)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Athletic Training majors should take BSC 1085/BSC 1085L and BSC 1086/BSC 1086L to satisfy the natural science component, PSY 2012 to meet the behavioral perspectives component, and STA 2023 to partially meet the mathematics 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
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<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>
<td>4</td>
</tr>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
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</table>
**Athletic Training**

**STA 2023**  
Elements of Statistics  
3

Choose one:  
3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>HSC 2577</td>
<td>Principles of Nutrition</td>
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<tr>
<td>APK 4163</td>
<td>Sport Nutrition and Weight Control</td>
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</tbody>
</table>

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

**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 (1000-4999) to meet this elective requirement.

Total Hours 0-13

**Major**

Students with an interest in the Athletic Training major should contact the Director of Athletic Training to discuss this rigorous program before declaring this as a preliminary major. Students must be accepted into this limited access program before beginning upper division course work.

Graduation requirements for the program are:

- Complete application documents to the Athletic Training Education Program
- Fulfill admission requirements for the Athletic Training Education Program
- Grade of “B-“ or better in all major courses and a “C” or better major-related courses
- Adhere to ATP Retention and Progression Guidelines.

**ATR 4933**  
Senior Seminar in Athletic Training  
3

**ATR 3212**  
Evaluation Techniques of Athletic Injuries I  
3

**ATR 4420**  
Pharmacology Application in Athletic Training  
3

**ATR 2000**  
Basic Care and Prevention Principles of Athletic Training  
3

**ATR 2010**  
Advanced Prevention and Care of Injuries in Health, Leisure, and Sports  
3

**ATR 3132**  
Functional Kinesiology  
3

**ATR 3512**  
Management Strategies in Athletic Training  
3

**ATR 3812**  
Athletic Training Clinical I  
3

**ATR 3822**  
Athletic Training Clinical II  
3

**ATR 3104**  
Protective Methods in Sports Medicine  
3

**ATR 4432**  
General Medical Conditions  
2

**ATR 4213**  
Evaluation Techniques of Athletic Injuries II  
3

**ATR 4314+L**  
Rehabilitation of Athletic Injuries (+Lab)  
4

**ATR 3302+L**  
Therapeutic Modalities in Athletic Training (+Lab)  
4

**ATR 4832**  
Athletic Training Clinical III  
3

**ATR 4842**  
Athletic Training Clinical IV  
3

Total Hours 49

**Major-Related**

**APK 3110+L**  
Exercise Physiology (+Lab)  
4

**APK 4114C**  
Physiological Basis of Strength Development  
3

Choose one  
4

<table>
<thead>
<tr>
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<tbody>
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<td>Mechanics of Human Motion</td>
</tr>
<tr>
<td>APK 3220C</td>
<td>Biomechanical Basis of Movement</td>
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Total Hours 11

* Courses included in the major GPA
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 seven 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 seven biology core courses. Consult with your academic advisor for courses that may satisfy both the General Education requirements and common prerequisites.

General Education

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

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

<table>
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<tr>
<th>Communication (p. 93)</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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Mathematics (p. 93)

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<td>MGF 1106</td>
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<td>STA 2023</td>
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<td>MAC 2233</td>
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<td>MAC 2312</td>
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Social Sciences (p. 93)

Choose one course from Group A and one additional course from either Group A or Group B

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<td>ANT 2000</td>
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<tr>
<td>ECO 2013</td>
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<tr>
<td>POS 2041</td>
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<td>PSY 2012</td>
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<tr>
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<td>CCJ 2002</td>
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<td>DEP 2004</td>
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</table>

Humanities (p. 93)

Choose one course from Group A and one additional course from either Group A or Group B

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<td>REL 1300</td>
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<tr>
<td>THE 2300</td>
</tr>
<tr>
<td>SPC 2608</td>
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</table>

Natural Sciences (p. 93)
## 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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.

### Group A

- **AST 1002** Descriptive Astronomy
- **BSC 1005** General Biology for Non-Majors
- **BSC 1085** Anatomy and Physiology I
- **BSC 2010** Biology I
- **CHM 1020** Concepts in Chemistry
- **CHM 2045** General Chemistry I
- **ESC 2000** Introduction to Earth Science
- **EVR 2001** Introduction to Environmental Science
- **PHY 1020** Introduction to Concepts in Physics
- **PHY 2048** University Physics I
- **PHY 2048C** University Physics I - Studio
- **PHY 2053** General Physics I

### Group B

- **ANT 2511** Biological Anthropology
- **BOT 2010** General Botany
- **BSC 1050** Fundamentals of Ecology
- **BSC 1086** Anatomy and Physiology II
- **BSC 2011** Biology II
- **BSC 2311** Introduction to Oceanography and Marine Biology
- **CGS 2060** Excursions in Computing
- **CHM 1032** Fundamentals of General Chemistry
- **CHM 2046** General Chemistry II
- **CIS 2530** Introduction to Cyber Security
- **GEO 1200** Physical Geography
- **GLY 2010** Physical Geology
- **MCB 1000** Fundamentals of Microbiology
- **PHY 2049** University Physics II
- **PHY 2054** General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives

(p. 93)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

## 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

- **General Biology Core**
  - **BCH 3033-L** Biochemistry I (+Lab) 4
  - **BSC 2844** Biology Skills 1
  - **MCB 3020-L** Microbiology (+Lab) 4
  - **PCB 3063C** Genetics 4
  - **PCB 4043-L** Ecology (+Lab) 4
  - **PCB 4673** Principles of Evolution 3
  - **PCB 4922** Biology Seminar 1

**Total Hours** 21

### General Biology Specialization

The General Biology Specialization includes a grounding in the basic areas of biology from molecular to ecological processes. Electives allow students to concentrate in areas of interest, such as microbiology, ecology, etc., at a more advanced level. Directed study hours may be included as elective to increase "hands-on" learning in an area of interest.

Minimum grade of "C" or better required in all courses in the program to include all Core, Specialization, Subcore, Major-Related and Common Prerequisites.

### Major-Related

- **STA 4173** Biostatistics 3
- **STA 2023** Elements of Statistics 3
- **STA 2053** Elementary Statistics 3

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

- **CHM 2210-L** Organic Chemistry I (+Lab) 4
- **CHM 2211-L** Organic Chemistry II (+Lab) 4
- **PHY 2053-L** General Physics I (+Lab) 4

**Total Hours** 7

### Biology Core - 21 sh

See Program Requirements

### General Biology Specialization

- **PCB 3103-L** Cell Biology (+Lab) 4
- **PCB 4053-L** Plant Physiology (+Lab) 4
- **PCB 4098-L** Concepts in Human Physiology (+Lab) 4
- **PCB 4723-L** Comparative Animal Physiology (+Lab) 4

Choose one of the following:

- **BOT 4374-L** Plant Developmental Biology (+Lab) 4
- **PCB 3253-L** Developmental Biology (+Lab) 4
- **BOT 4734-L** Plant Biotechnology (+Lab) 4
Professional schools require at the minimum:

- Chemistry

Criteria to be considered in selecting a major are as follows:

- Professional students at UWF select a specialization in biology or a related field
- 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 generally prefer a bachelor’s degree.

Pre-Professional Program for Transfer Students

Admission Requirements to the Upper-Division

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.

Heuristics

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 their junior and senior 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.

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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.

### General Biology Sub-core

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 3543</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HSC 3555</td>
<td>Pathophysiology</td>
</tr>
<tr>
<td>MLS 4482-L</td>
<td>Medical Microbiology (+Lab)</td>
</tr>
<tr>
<td>MLS 4625-L</td>
<td>Clinical Chemistry I (+Lab)</td>
</tr>
<tr>
<td>MLS 4630-L</td>
<td>Clinical Chemistry II (+Lab)</td>
</tr>
<tr>
<td>OCE 3007</td>
<td>Concepts of Oceanography and Marine Biology</td>
</tr>
</tbody>
</table>

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: BCH, BOT, BSC, PCB, MCB, ZOO, and HSC.

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

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

Most schools have additional requirements. Courses in anatomy, analytical chemistry, biochemistry, 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.

### 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.

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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.

**Minimum grade of "C" or better required in all Common Prerequisites**

**Biology Core - 21 sh (Minimum grade of "C" or better required)**

See Program Requirements

**Pre-Professional Biology Specialization**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3103+L</td>
<td>Cell Biology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 3097+L</td>
<td>Introduction to Human Anatomy (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 4233+L</td>
<td>Immunology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PCB 4098+L</td>
<td>Concepts in Human Physiology (+Lab)</td>
<td></td>
</tr>
<tr>
<td>PCB 4723+L</td>
<td>Comparative Animal Physiology (+Lab)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Pre-Professional Biology Sub-core (Minimum grade of "C" or better required)**

Electives chosen with advisor (the following are recommended): 19

- BSC 2010+L Biology I (+Lab) 4
- BSC 2011+L Biology II (+Lab) 4

Students should assess the prerequisites for upper division courses they wish to take to complete the minor.

3000/4000 level Biology (BCH, BOT, BSC, MCB, MLS, OCE, PCB, and ZOO) courses which includes at least one 4 sh lab courses 12

**Total Hours** 20

**Pre-Professional Major-Related (Minimum grade of "C" or better required)**

Students must take one of the following that was not completed as part of the Common Prerequisites in the lower division

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)</td>
</tr>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab)</td>
</tr>
</tbody>
</table>

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: BCH, BOT, BSC, PCB, MCB, ZOO, and HSC.

**Minors**

A 20 sh Minor in Biology is available for students in a wide variety of majors. It provides the opportunity to add value to the major degree and to expand their 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 Department of Biology Academic Advisor for assistance in choosing courses to meet specific needs.

Biology, Marine Biology, Medical Technology, and Zoo Science majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)</td>
</tr>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab)</td>
</tr>
</tbody>
</table>

**Total Hours** 20
Biomedical Sciences

The Biomedical Sciences degree is designed to prepare students who have the goal of admission to post-graduate health professional schools. The degree is designed to fulfill the prerequisites required for students pursuing advanced degrees in medicine, dentistry, pharmacy, physician assistant, biomedical sciences, etc. Students should work with their advisor to create a 4 year plan that includes extracurricular activities and entrance examination preparation to strengthen their application portfolio.

Minimum grade of "C" or better required in all courses in the program to include all Major-Related, Electives and Common Prerequisites.

The number of students applying for post-graduate biomedical schools exceeds the number of positions available. Competition for these positions is intense. The most successful applicants are full-time students (minimum of 12 sh per semester) with a minimum cumulative GPA above 3.5, with shadowing, research and volunteer experience.

Applicants to professional schools should take the specific entrance exam during their Junior year.

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.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (http://catalog.uwf.edu/undergraduate/academicpolicies/graduation)" section of this catalog.

General Education Curriculum:

Communication (p. 97)

<table>
<thead>
<tr>
<th>Course</th>
<th>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 (p. 97)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 97)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group B

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Humanities (p. 97)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

Group B

<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>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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 97)
Choose one course from Group A and one additional course from either Group A or Group B.

### Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
</tbody>
</table>

### Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANI 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CMH 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CMH 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives

Choose one additional course from the two of the three areas of Humanities, Social Sciences and Natural Sciences.

Students should discuss their professional goals with their advisor before selecting general education courses. The following general education courses are recommended.

For Pharmacy School, select the following:

<table>
<thead>
<tr>
<th>Humanities:</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
</tbody>
</table>

For Medical School, select the following:

<table>
<thead>
<tr>
<th>Social Sciences:</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

### Biomedical Sciences Specialization

#### Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2844</td>
<td>Biology Skills</td>
</tr>
<tr>
<td>PCB 3103-L</td>
<td>Cell Biology (+Lab)</td>
</tr>
<tr>
<td>PCB 3063C</td>
<td>Genetics</td>
</tr>
<tr>
<td>MCB 3020-L</td>
<td>Microbiology (+Lab)</td>
</tr>
<tr>
<td>MLS 4460-L</td>
<td>Diagnostic Microbiology (+Lab)</td>
</tr>
<tr>
<td>BOH 3033-L</td>
<td>Biochemistry (+Lab)</td>
</tr>
<tr>
<td>PCB 3097-L</td>
<td>Introduction to Human Anatomy (+Lab)</td>
</tr>
<tr>
<td>PCB 4233-L</td>
<td>Immunology (+Lab)</td>
</tr>
<tr>
<td>PCB 4524-L</td>
<td>Molecular Biology (+Lab)</td>
</tr>
<tr>
<td>or MLS 4191</td>
<td>Molecular Diagnostics</td>
</tr>
<tr>
<td>PCB 4673</td>
<td>Principles of Evolution</td>
</tr>
<tr>
<td>PCB 4922</td>
<td>Biology Seminar</td>
</tr>
<tr>
<td>PCB 4098-L</td>
<td>Concepts in Human Physiology (+Lab)</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Comparative Animal Physiology</td>
</tr>
</tbody>
</table>

#### Total Hours: 41

* + indicates courses included in Major GPA.

### 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 (https://www.flvc.org/partner-portal/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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010-L</td>
<td>Biology I (+Lab)</td>
</tr>
<tr>
<td>BSC 2011-L</td>
<td>Biology II (+Lab)</td>
</tr>
<tr>
<td>CHM 2045-L</td>
<td>General Chemistry I (+Lab)</td>
</tr>
<tr>
<td>CHM 2046-L</td>
<td>General Chemistry II (+Lab)</td>
</tr>
<tr>
<td>CHM 2210-L</td>
<td>Organic Chemistry I (+Lab)</td>
</tr>
<tr>
<td>CHM 2211-L</td>
<td>Organic Chemistry II (+Lab)</td>
</tr>
<tr>
<td>PHY 2053-L</td>
<td>General Physics I (+Lab)</td>
</tr>
<tr>
<td>PHY 2054-L</td>
<td>General Physics II (+Lab)</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
</tbody>
</table>

### Total Hours: 39

* Common prerequisites should be used to satisfy 9 credits of Natural Sciences and 6 credits of Mathematics for General Education Course requirements.

### Lower Division Electives

The student must complete sufficient electives to complete 120 semester hours. Contact your advisor for specific general education courses related to your professional goals.

### Major-related upper division electives

Choose 4-5 electives from approved list.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3230</td>
<td>Organic Chemistry III</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
</tr>
<tr>
<td>or CHM 3400C</td>
<td>Basic Physical Chemistry</td>
</tr>
<tr>
<td>CHM 3120-L</td>
<td>Analytical Chemistry (+Lab)</td>
</tr>
<tr>
<td>CHM 4455-L</td>
<td>Introduction to Polymer Science (+Lab)</td>
</tr>
<tr>
<td>CHM 4611</td>
<td>Inorganic Chemistry</td>
</tr>
<tr>
<td>BCH 3034</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>PCB 4098-L</td>
<td>Concepts in Human Physiology (+Lab)</td>
</tr>
</tbody>
</table>

* Requires lab
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>or PCB 4723</td>
<td>Comparative Animal Physiology</td>
<td></td>
</tr>
<tr>
<td>BOT 4850</td>
<td>Medicinal Botany</td>
<td></td>
</tr>
<tr>
<td>MLS 4462+L</td>
<td>Medical Microbiology (+Lab)</td>
<td></td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Disease</td>
<td></td>
</tr>
<tr>
<td>MLS 4625+L</td>
<td>Clinical Chemistry I (+Lab)</td>
<td></td>
</tr>
<tr>
<td>MLS 4630+L</td>
<td>Clinical Chemistry II (+Lab)</td>
<td></td>
</tr>
<tr>
<td>HSC 3555</td>
<td>Pathophysiology</td>
<td></td>
</tr>
<tr>
<td>HSC 4143</td>
<td>Drugs in Society</td>
<td></td>
</tr>
<tr>
<td>HSC 3535</td>
<td>Medical Terminology</td>
<td></td>
</tr>
<tr>
<td>GEY 4001</td>
<td>Gerontology</td>
<td></td>
</tr>
<tr>
<td>STA 4173</td>
<td>Biostatistics</td>
<td></td>
</tr>
<tr>
<td>BSC 4941</td>
<td>Clinical Experience in Health Care</td>
<td></td>
</tr>
<tr>
<td>MLS 4505</td>
<td>Clinical Immunology</td>
<td></td>
</tr>
<tr>
<td>PCB 3253+L</td>
<td>Developmental Biology (+Lab)</td>
<td></td>
</tr>
<tr>
<td>MLS 4305+L</td>
<td>Hematology I (+Lab)</td>
<td></td>
</tr>
<tr>
<td>BSC 4434</td>
<td>Bioinformatics and Data Science</td>
<td></td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Pharmacology for Health Professionals</td>
<td></td>
</tr>
<tr>
<td>APK 3110+L</td>
<td>Exercise Physiology (+Lab)</td>
<td></td>
</tr>
<tr>
<td>APK 3220C</td>
<td>Biomechanical Basis of Movement</td>
<td></td>
</tr>
<tr>
<td>APK 4163</td>
<td>Sport Nutrition and Weight Control</td>
<td></td>
</tr>
<tr>
<td>APK 4125</td>
<td>Exercise Testing and Prescription</td>
<td></td>
</tr>
</tbody>
</table>

**Application to Professional Schools**

The formal process of applying for admission to professional schools begins in the late spring of the calendar year prior to the anticipated enrollment. Admission tests are specific to the discipline. The student takes the Medical College Admission Test (MCAT); the Dental Aptitude Test (DAT); the Graduate Record Examination (GRE); the Pharmacy College Admission Test (PCAT) or other pre-professional examination. It is necessary to have completed almost all prerequisite courses for professional school admission by that time. The examinations may be taken at other times, but the decision should be discussed with an advisor.

Applications are made to the specific application services, such as AMCAS (Medical School), AACOMAS (Osteopathic School), AADSAS (Dental School), PHARMCAS (Pharmacy School) and CASPA (Physician Assistant School).

Students pursuing professional graduate schools must achieve certain milestones and meet specific deadlines during their university career. Members of the Health Advisory Committee are available to meet with students to discuss career goals and the application process. The Committee provides interviews and committee recommendation letters to qualified applicants.

Medical School applicants should contact:

Peter Cavnar, PhD, Health Advisory Committee
Assistant Professor, Biology
(850) 474.2306 pcavnar@uwf.edu

Dental School applicants should contact:

Kristina Behan, PhD, Health Advisory Committee
Professor/Director, Clinical Lab Sciences
(850) 474.3060 kbehan@uwf.edu

Pharmacy School and Post-baccalaureate Medical School applicants should contact:

Lauren Greska, Health Sciences Advisor
(850) 474-3215 lgreska@uwf.edu
Business, General

The B.S.B.A. in General Business is an included program in the University's accreditation by AACSB International.

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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 100)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>
</tbody>
</table>

Mathematics (p. 100)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td></td>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
</tr>
<tr>
<td></td>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
</tr>
<tr>
<td></td>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
<tr>
<td>Group B</td>
<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td></td>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 100)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td></td>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td></td>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td></td>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td></td>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td></td>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>Group B</td>
<td>AMH 2100</td>
<td>United States to 1877</td>
</tr>
<tr>
<td></td>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td></td>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td></td>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td></td>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td></td>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td></td>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td></td>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
<tr>
<td></td>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td></td>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td></td>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td></td>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td></td>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td></td>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td></td>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td></td>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
</tbody>
</table>

Humanities (p. 100)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td></td>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td></td>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td></td>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td></td>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>Group B</td>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td></td>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td></td>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td></td>
<td>ART 101C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td></td>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td></td>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td></td>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td></td>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td></td>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td></td>
<td>REL 1300</td>
<td>World Religions</td>
</tr>
<tr>
<td></td>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td></td>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 100)
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
<td>3</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
<td>3</td>
</tr>
<tr>
<td>Group B</td>
<td>Courses</td>
<td>Hours</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
<td>6</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
<td>6</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
<td>6</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology **</td>
<td>3</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology **</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
<td>3</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 100)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>SPC 2608 Basic Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>STA 2023 Elements of Statistics</td>
<td>6</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>MAC 2233 Calculus with Business Applications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2013 Principles of Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>21</td>
</tr>
</tbody>
</table>

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 Number</th>
<th>Course Name</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>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>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>Total Hours</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

College of Business BSBA Core

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</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>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

College of Business Undergraduate Transfer Credit Policy

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida’s Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

General Business Specialization

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3240</td>
<td>Behavior in Organizations *</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3241</td>
<td>Behavioral Finance</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3242</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Hours</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4750</td>
<td>The Future: Projecting, Planning and Managing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Two 3000/4000 level advisor-approved Management/MIS (MAN/ISM) courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Two 3000/4000 level advisor-approved Marketing (MAR) courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Two 3000/4000 level advisor-approved Finance/Economics (FIN/ECO/ECP) courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One 3000/4000 level College of Business elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours** 30

* Courses included in the major GPA
Career and Technical Education

The program in Workforce and Program Development is designed to prepare individuals to work in a variety of settings, depending on completed coursework. Individuals may develop and implement training and educational materials to support employers, employees, as well as individuals who are underemployed and unemployed. In addition, students can acquire valuable technical skills that can be immediately used in the workforce. From trainers to counselors to curriculum developers, graduates work in a variety of organizations to support career and technical education and training and to promote overall organizational success. 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.

Program Requirements

In addition to the university’s general requirements, students seeking the B.S. in Career and Technical Education must meet the requirements listed below. Consult with your academic advisor for courses which may satisfy both the General Education 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 103)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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Mathematics (p. 103)

<table>
<thead>
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<tr>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>
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Social Sciences (p. 103)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>AMH 2020</td>
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</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
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<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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Humanities (p. 103)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<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>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

Group B
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

Natural Sciences (p. 103)
program in the fall semester, application materials must be submitted by June 15. For admission into the Accelerated BS/MEd program in the spring semester, application materials must be submitted by October 15.

Admission into the Accelerated BS/MEd program does not guarantee admission into the M.Ed. program upon completion of the BS. Students must still submit an Express Admission application for the M.Ed. program. Students who are a part of the Accelerated BS/Med program cannot be provisionally or conditionally admitted into the M.Ed. program.

Program Requirements:

Upon admission into the M.Ed., the 12 graduate credit hours completed as an undergraduate student will count for 12 semester hours in Workforce and Program Development coursework for the M.Ed. Students in the Accelerated BS/Med 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 M.Ed. degree.

Students accepted into the M.Ed. program must complete all M.Ed. requirements within 18 months of completing the BS degree. If the M.Ed. 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 graduate credit hours toward completion of the bachelor’s degree or toward a future master’s degree) and is automatically terminated from the Accelerated BS/MEd program.

If a student in the Accelerated BS/MEd program completes the BS 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 BS degree or toward a future master’s degree) and is automatically terminated from the Accelerated BS/MEd program.

A student who becomes ineligible to continue participating in or withdraws from the Accelerated BS/MEd program cannot apply any graduate credit hours toward both degrees.

Students who are enrolled in the Accelerated BS/MEd program are eligible for graduate assistantship positions only after completing the BS degree.

Major Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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<td>Principles of Career and Technical Studies</td>
<td>4</td>
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<td>ECT 3183</td>
<td>Course Construction for Career and Technical Training</td>
<td>3</td>
</tr>
<tr>
<td>ECT 3367</td>
<td>Career and Technical Instructional Evaluation</td>
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<td>ECT 3945</td>
<td>Supervised Field Problems</td>
<td>3</td>
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<td>ECT 4380</td>
<td>Special Methods in Career and Technical Studies</td>
<td>4</td>
</tr>
<tr>
<td>ECT 4560</td>
<td>Selection and Guidance of Career and Technical Studies</td>
<td>3</td>
</tr>
<tr>
<td>ECT 4562</td>
<td>Introduction to Career and Technical Special Needs Education</td>
<td>3</td>
</tr>
<tr>
<td>ECT 4930</td>
<td>Seminar</td>
<td>3</td>
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<tr>
<td>EME 4043</td>
<td>Instructional Technology Leadership</td>
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<td>MAN 3025</td>
<td>Management Fundamentals</td>
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Total Hours: 28

Additional Requirements

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<td>EME 6609</td>
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</tr>
<tr>
<td>EME 6054</td>
<td>Foundations of Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>EME 6607</td>
<td>Implementation of Instructional Technology Projects</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 32
Certificates

Career and Technical Education Program Certificate

Department: Instructional, Workforce and Applied Technology

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.

ECT 3004 Principles of Career and Technical Studies 4
ECT 4562 Introduction to Career and Technical Special Needs Education 3

One of the following:
ECT 3183 Course Construction for Career and Technical Training
ECT 3367 Career and Technical Instructional Evaluation

One of the following:
ECT 4380 Special Methods in Career and Technical Studies
BTE 4401 Special Methods of Teaching Business Education
ECW 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 Education 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Education Curriculum:

Communication (p. 107)

ENC 1101 English Composition I 3
ENC 1102 English Composition II 3

Mathematics (p. 107)

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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<tr>
<td>MAC 1105</td>
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<td>MAC 2233</td>
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<td>MGF 1107</td>
<td>MAC 2312</td>
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<td>Group B</td>
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<td></td>
<td>MGF 1107</td>
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<td></td>
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Social Sciences (p. 107)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
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<td>ANT 2400</td>
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<td>CCJ 2002</td>
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<td>POS 2041</td>
<td>CPO 2002</td>
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<td>PSY 2012</td>
<td>DEP 2004</td>
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<td>SYG 2000</td>
<td>EUH 1000</td>
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<td>EUH 1001</td>
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<td>FIN 2104</td>
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<td>GEB 1011</td>
</tr>
<tr>
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<td>IDH 1041</td>
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<tr>
<td></td>
<td>INR 2002</td>
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<td>MMC 2000</td>
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<td>PLA 2013</td>
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<td>SOW 2192</td>
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<td>SYG 2010</td>
</tr>
</tbody>
</table>

Humanities (p. 107)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

Group B
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

Natural Sciences (p. 107)

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics II

Group B
- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 107)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

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
PHYSICS |

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>PHY 2054+L</td>
<td>General Physics II (+Lab)</td>
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</table>

Total Hours: 32

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
</table>

Total Hours: 18-19

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.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</table>

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.

Pre-Law Track

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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 107)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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Total Hours: 15
Choose one course from Group A and one Additional course from either Group A or Group B 6

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<thead>
<tr>
<th>Group A</th>
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<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
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<td>MGF 1106 Mathematics for Liberal Arts I</td>
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<tr>
<td><strong>Group B</strong></td>
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<td>MAC 1114 Trigonometry</td>
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<td>MAC 1140 Precalculus Algebra</td>
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<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
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**Social Sciences (p. 107)**

Choose one course from Group A and one Additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
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<tbody>
<tr>
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<td><strong>Group B</strong></td>
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<td>AMH 2010 United States to 1877</td>
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<td>ANT 2400 Current Cultural Issues</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>SOW 2192 Understanding Relationships in the 21st Century</td>
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<td>SYG 2010 Current Social Problems</td>
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</table>

Choose one course from Group A and one additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
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<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
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<td>MUL 2010 Music Appreciation</td>
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<tr>
<td>PHI 2010 Introduction to Philosophy</td>
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<tr>
<td>THE 2000 The Theatre Experience</td>
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<td><strong>Group B</strong></td>
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<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<td>ART 1015C Exploring Artistic Vision</td>
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<td>ART 2821 Art and Visual Culture Today</td>
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</tr>
<tr>
<td>CRW 2001 Introduction to Creative Writing</td>
<td></td>
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</tr>
<tr>
<td>IDH 1040 Honors Core 1</td>
<td></td>
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<tr>
<td>MUH 2930 The Music Experience: Special Topics</td>
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<td></td>
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<tr>
<td>PHI 2103 Critical Thinking</td>
<td></td>
<td></td>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>REL 1300 World Religions</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Natural Sciences (p. 107)**

**Humanities (p. 107)**
### General 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.

- CHM 2045+L General Chemistry I (+Lab) * 4
- CHM 2046+L General Chemistry II (+Lab) * 4
- MAC 2311 Analytic Geometry and Calculus I 4
- MAC 2312 Analytic Geometry and Calculus II 4
- CHM 2210+L Organic Chemistry I (+Lab) 4
- CHM 2211+L Organic Chemistry II (+Lab) 4

Choose one option from the following: 8

**Option 1**
- PHY 2048+L General Physics I (+Lab) * 4
- PHY 2049+L General Physics II (+Lab) * 4

**Option 2**
- PHY 2048C University Physics I - Studio 4
- PHY 2053 General Physics II * 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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet 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

- 0-5

#### 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 departmental advisor):

- CHM 3230 Organic Chemistry III * 4
- CHM 3740L Advanced Laboratory Techniques * 4
- CHM 3940 Chemistry Internship * 4
- CHM 4130-L Instrumental Analysis (+Lab) * 4
- CHM 4455-L Introduction to Polymer Science (+Lab) * 4
- CHM 4610L Inorganic Synthesis + 4
- CHM 4912 Undergraduate Chemistry Research +
- CHM 4930 Seminar: Special Topics in Advanced Chemistry +

**Total Hours** 25

+ Courses included in the major GPA

### Major-Related

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>Biology I Laboratory</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2011L</td>
<td>Biology II Laboratory</td>
</tr>
</tbody>
</table>

**Total Hours** 8

### Pre-Medical Track

- PHI 4633 Biomedical Ethics 3

Advisor approved elective 3

Choose three of the following: 11-12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGB 3063C</td>
<td>Genetics</td>
</tr>
<tr>
<td>PGB 4703</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>MCB 3020+L</td>
<td>Microbiology (+Lab)</td>
</tr>
<tr>
<td>BCH 3033+L</td>
<td>Biochemistry I (+Lab)</td>
</tr>
</tbody>
</table>

**Total Hours** 17-18
Forensic Sciences Track

CCJ 3024  Criminal Justice System                      3
CJE 3674  Introduction to the Forensic Sciences        3
CCJ 3654  Drugs, Crime, and Criminal Justice           3
Advisor Approved Elective                                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 3063C  Genetics                                      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 Education 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 Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</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>
</tr>
</tbody>
</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 Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3063C</td>
<td>Genetics</td>
<td></td>
</tr>
<tr>
<td>MCB 3020+L</td>
<td>Microbiology (+Lab)</td>
<td></td>
</tr>
</tbody>
</table>

B.S. Chemistry Specialization

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 113)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<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 (p. 113)

Social Sciences (p. 113)

Choose one course from Group A and one additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 113)

Choose one course from Group A and one additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 113)
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>LIT 2000 Introduction to Literature</td>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>MUL 2010 Music Appreciation</td>
<td>ART 2010 Art and Visual Culture Today</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>CRW 2001 Introduction to Creative Writing</td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td>IDH 1040 Honors Core 1</td>
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<td>MUH 2930 The Music Experience: Special Topics</td>
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<td></td>
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<tr>
<td></td>
<td>** may be taken with or without lab.</td>
</tr>
<tr>
<td></td>
<td>** 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.</td>
</tr>
<tr>
<td></td>
<td>*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.</td>
</tr>
</tbody>
</table>

** Natural Sciences (p. 113)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002 Descriptive Astronomy</td>
<td>BSC 1005 General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085 Anatomy and Physiology I</td>
<td>BSC 2010 Biology I</td>
</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry</td>
<td>ESC 2000 Introduction to Earth Science</td>
</tr>
<tr>
<td>CHM 2045 General Chemistry I</td>
<td>EVR 2001 Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020 Introduction to Concepts in Physics</td>
<td>PHY 2048 University Physics I</td>
</tr>
<tr>
<td>PHY 2048C University Physics I - Studio</td>
<td>PHY 2053 General Physics I **</td>
</tr>
<tr>
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<td></td>
<td>*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.</td>
</tr>
</tbody>
</table>

** General Education Electives (p. 113)**
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

** 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Common Prerequisites</th>
<th>Total Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 2045-L General Chemistry I (+Lab)</td>
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</tr>
<tr>
<td>CHM 2046-L General Chemistry II (+Lab)</td>
<td>4</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>CHM 2210-L Organic Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211-L Organic Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048-L University Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049-L University Physics II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>32</td>
</tr>
</tbody>
</table>
With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 113)
- ENC 1101 English Composition I 3
- ENC 1102 English Composition II 3

Mathematics (p. 113)
- Choose one course from Group A and one Additional course from either Group A or Group B
- Group A
  - MAC 1105 College Algebra
  - MAC 2311 Analytic Geometry and Calculus I
  - MGF 1106 Mathematics for Liberal Arts I
  - MGF 1107 Mathematics for Liberal Arts II
  - STA 2023 Elements of Statistics
- Group B
  - MAC 1114 Trigonometry
  - MAC 1140 PreCalculus Algebra
  - MAC 2233 Calculus with Business Applications
  - MAC 2312 Analytic Geometry and Calculus II

Social Sciences (p. 113)
- Choose one course from Group A and one additional course from either Group A or Group B
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  - AMH 2020 United States since 1877
  - ANT 2000 Introduction to Anthropology
  - ECO 2013 Principles of Economics Macro
  - POS 2041 American Politics
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  - SYG 2000 Introduction to Sociology
- Group B
  - AMH 2010 United States to 1877
  - ANT 2400 Current Cultural Issues
  - ANT 2100 Introduction to Archaeology
  - CCO 2002 Survey of Crime and Justice
  - CPO 2002 Comparaive Politics
  - DEP 2004 Human Development Across the Lifespan
  - EUH 1000 Western Perspectives I
  - EUH 1001 Western Perspectives II
  - 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
  - SOW 2192 Understanding Relationships in the 21st Century
  - SYG 2010 Current Social Problems

Humanities (p. 113)

B.S. Chemistry/Biochemistry Specialization

General Education
In addition to the General Education requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements.
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
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<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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<td>THE 2000</td>
<td>The Theatre Experience</td>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>
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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>
</tr>
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<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>IDH 1040</td>
<td>Honors Core 1</td>
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<td>REL 1300</td>
<td>World Religions</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 113)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
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<tr>
<td>ESC 2000</td>
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<td>PHY 2048</td>
<td>University Physics I</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
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Group B

<table>
<thead>
<tr>
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<tbody>
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<td>BOT 2010</td>
<td>General Botany</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II *</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
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<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II *</td>
</tr>
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<td>Introduction to Cyber Security</td>
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<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II ***</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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 113)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045-L</td>
<td>General Chemistry I (+Lab)</td>
</tr>
<tr>
<td>CHM 2046-L</td>
<td>General Chemistry II (+Lab)</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>CHM 2210-L</td>
<td>Organic Chemistry I (+Lab)</td>
</tr>
<tr>
<td>CHM 2211-L</td>
<td>Organic Chemistry II (+Lab)</td>
</tr>
<tr>
<td>PHY 2048-L</td>
<td>University Physics I (+Lab)</td>
</tr>
<tr>
<td>PHY 2049-L</td>
<td>University Physics II (+Lab)</td>
</tr>
</tbody>
</table>

Total Hours 32
* Indicates common prerequisites which can be used to satisfy General Education 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. Majors should complete the Physics or Organic Chemistry sequence not completed in the Common Prerequisites.

<table>
<thead>
<tr>
<th>Major</th>
<th>CHM 3120+L</th>
<th>Analytical Chemistry (+Lab)</th>
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<tbody>
<tr>
<td></td>
<td>CHM 3230</td>
<td>Organic Chemistry III</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>CHM 3411</td>
<td>Physical Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHM 3740L</td>
<td>Advanced Laboratory Techniques</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CHM 3741L</td>
<td>Physical Chemistry Laboratory</td>
<td>2</td>
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<tr>
<td></td>
<td>CHM 4931</td>
<td>Seminars in Chemistry</td>
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<tr>
<td></td>
<td>CHM 4610L</td>
<td>Inorganic Synthesis</td>
<td>1</td>
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<td></td>
<td>CHM 4611</td>
<td>Inorganic Chemistry</td>
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<tr>
<td></td>
<td>BCH 3033+L</td>
<td>Biochemistry I (+Lab)</td>
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<td></td>
<td>BCH 3034</td>
<td>Biochemistry II</td>
<td>3</td>
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<tr>
<td></td>
<td>MCB 3020+L</td>
<td>Microbiology (+Lab)</td>
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</tr>
<tr>
<td></td>
<td>PCB 3063C</td>
<td>Genetics</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>PCB 4524</td>
<td>Molecular Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

Choose two of the following (advisor approved):

| Major | CHM 4130+L | Instrumental Analysis (+Lab) | 6 |
|-------| CHM 4455+L | Introduction to Polymer Science (+Lab) | 8 |
|       | CHM 3940   | Chemistry Internship         | 4 |
|       | CHM 4912   | Undergraduate Chemistry Research | 4 |
|       | CHM 4930   | Seminar: Special Topics in Advanced Chemistry | 1 |

| Total Hours | 40-42 |

+ Courses included in the major GPA

## Major Related

| BSC 2010+L | Biology I (+Lab) | 4 |
| BSC 2011+L | Biology II (+Lab) | 4 |

| Total Hours | 8 |

## 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 | 18-20 |
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.naacscl.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 Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Studies Curriculum:

Communication (p. 118)

<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>
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</table>

Mathematics (p. 118)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<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></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

Social Sciences (p. 118)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td></td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
<td></td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
<td></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>
<td></td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
<td></td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>
<td></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>
<td></td>
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<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td></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>
<td></td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td></td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

Humanities (p. 118)
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

**Group B**
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

**Natural Sciences (p. 118)**

Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry*
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I **

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II *
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology *
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology *
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II *

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 118)**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BSC 1085+L</td>
<td>Anatomy and Physiology I (+Lab)</td>
<td>4</td>
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<tr>
<td>BSC 1086+L</td>
<td>Anatomy and Physiology II (+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>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>MCB 3020+L</td>
<td>Microbiology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010+L</td>
<td>Biology I (+Lab)</td>
<td>4</td>
</tr>
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</table>

**Total Hours** **35**
* Indicates common prerequisites which can be used to satisfy General Studies requirements.

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS 4191+L</td>
<td>Molecular Diagnostics (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4505+L</td>
<td>Clinical Immunology (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4220+L</td>
<td>Urinalysis/Body Fluids I (+Lab) *</td>
<td>2</td>
</tr>
<tr>
<td>MLS 4305+L</td>
<td>Hematology I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4334+L</td>
<td>Hemostasis and Thrombosis (+Lab) *</td>
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<tr>
<td>MLS 4460+L</td>
<td>Diagnostic Microbiology 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 4550+L</td>
<td>Immunohematology I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4625+L</td>
<td>Clinical Chemistry I (+Lab) *</td>
<td>3</td>
</tr>
<tr>
<td>MLS 4630+L</td>
<td>Clinical Chemistry II (+Lab) *</td>
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<tr>
<td>MLS 4705</td>
<td>Special Clinical Topics *</td>
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<td>MLS 4820L</td>
<td>Clinical Chemistry III *</td>
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</tr>
<tr>
<td>MLS 4821L</td>
<td>Diagnostic Microbiology II *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4822L</td>
<td>Hematology II *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4823L</td>
<td>Immunohematology II *</td>
<td>4</td>
</tr>
<tr>
<td>MLS 4824L</td>
<td>Special Clinical Methods *</td>
<td>2</td>
</tr>
<tr>
<td>MLS 4825L</td>
<td>Urinalysis/Body Fluids II *</td>
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</table>

**Total Hours**: 55

+ Courses included in the major GPA

**Major-Related**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>BCH 3033+L</td>
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<tr>
<td>HSC 3555</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3063C</td>
<td>Genetics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours**: 11
Communication

Effective communication is vital to the success of any organization. The Department of Communication empowers students to creatively manage professional communication challenges. Graduates learn to speak effectively, write clearly, communicate persuasively, solve problems, lead, and practice professional ethics. The program for majors in the Department of Communication consists of 39 credit hours.

Department 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 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 of Communication provides students opportunities to extend their classroom education with hands-on skill-building through internships and involvement with The Voyager, UWF Forensics, and a multitude of community engagement opportunities.

Program Requirements

Students who are majors in the Department of Communication must complete the Department of Communication core. The 12-hour core consists of the following courses:

SPC 2608 Basic Communication Skills 3
COM 2713 Writing for the Communication Professions 3
COM 2203 Communication Dynamics 3
COM 4301 Communication Research 3

Total Hours 12

A maximum of 12 sh of lower division course work in the Department of Communication may be applied to degree requirements. No grade below a C minus in a Department of Communication course may be applied toward graduation.

A minimum grade of “C” is required for SPC 2608 Basic Communication Skills and COM 2713 Writing for the Communication Professions.

Internships for a maximum of 3 sh are available in a variety of settings.

Students must take 18 hours of lower-division courses outside their major beyond the 36 sh of General Education requirements. 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.

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 the Department of Communication. Students must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 semester hours in the upper division.

The department offers a minor in Communication for students from other disciplines in which communication plays a vital role. The minor consists of 15 sh of Department of Communication courses. Communication majors may not earn this minor.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 121)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>
</tbody>
</table>

Mathematics (p. 121)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<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>
</tr>
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Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 121)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities (p. 121)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SPC 1101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>SPC 1102</td>
<td>English Composition II</td>
</tr>
</tbody>
</table>

University of West Florida - Undergraduate 121
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

**Group B**
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

**Choose one course from Group A and one additional course from either Group A or Group B**

**Group A**
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

**Group B**
- ANT 2511: Biological Anthropology
- BOT 2100: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Students should take SPC 2608 Basic Communication Skills to meet the humanities component and MMC 2000 Principles of Mass Communication to meet the social sciences 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AST 1002</td>
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<td>ESC 2000</td>
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<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<tr>
<td>BOT 2100</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<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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<tr>
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<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
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<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
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<td>GLY 2010</td>
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</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**Total Hours**

1000/2000 level courses outside major and beyond the 36 sh of General Education requirements 18
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.

Total Hours 6

It is recommended that these courses be taken at the lower division because they are required for the degree.

All students must complete the Department of Communication core, consisting of 12 credit hours.

Communication Capstone Courses:

In addition to the core, the Communication major consists of 24 hours of Department of Communication courses (ADV, COM, FIL, JOU, MMC, PUR, RTV, SPC).

Communication Capstone Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ADV 4801</td>
<td>National Student Advertising Competition</td>
<td>3</td>
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<tr>
<td>ADV 4802</td>
<td>Integrated Communication-Campaigns</td>
<td></td>
</tr>
<tr>
<td>COM 4103</td>
<td>Leadership Communication</td>
<td></td>
</tr>
<tr>
<td>JOU 3940</td>
<td>Practicum: Voyager</td>
<td></td>
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<tr>
<td>PUR 4801</td>
<td>Public Relations Campaigns</td>
<td></td>
</tr>
<tr>
<td>RTV 3942</td>
<td>Practicum: Television News</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 24

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.

Total Hours 15

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 6

The Department of Communication 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 Department of Communication courses. Department of Communication students may not earn this minor.

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 courses. Communication 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 majors may earn the certificate, but not the minor.

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPC 3605</td>
<td>Speech Writing, Analysis, and Delivery</td>
<td></td>
</tr>
<tr>
<td>COM 4103</td>
<td>Leadership Communication</td>
<td></td>
</tr>
<tr>
<td>SPC 4540</td>
<td>Propaganda and Persuasion</td>
<td></td>
</tr>
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Choose three of the following:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
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<td>COM 4120</td>
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<td></td>
</tr>
<tr>
<td>COM 3014</td>
<td>Gender Communication</td>
<td></td>
</tr>
<tr>
<td>COM 4022</td>
<td>Health Communication</td>
<td></td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
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</tr>
</tbody>
</table>

If not taken at the lower division:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 12

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COM 4103</td>
<td>Leadership Communication</td>
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Choose three of the following:

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<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
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<tr>
<td>SPC 3605</td>
<td>Speech Writing, Analysis, and Delivery</td>
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<tr>
<td>COM 3014</td>
<td>Gender Communication</td>
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If not taken at the lower level:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td>0-3</td>
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</table>

Total Hours 12
Health Promotion

This degree program is for students who wish to pursue health careers in public or private health agencies. Health educators are professionals who design, conduct, and evaluate activities to help improve the health of people. These activities take place in a variety of settings: schools, communities, health care facilities, government agencies, businesses, and colleges. Health educators are employed under a range of job titles such as patient educators, health education teachers, trainers, public health/community health educators, community organizers, and health program managers or coordinators. Professional certification to be a Certified Health Education Specialist (CHES) is available through the National Commission for Health Education Credentialing, Inc.

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.

Students should take PSY 2012 General Psychology to satisfy the social science/behavioral perspective component, MAC 1105 College Algebra and STA 2023 Elements of Statistics to satisfy the mathematics component, and BSC 1085 Anatomy and Physiology I with Lab and BSC 1086 Anatomy and Physiology II with Lab to satisfy the natural science component of General Education. For additional information see the General Education section of this Catalog.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 124)

ENC 1101 English Composition I 3
ENC 1102 English Composition II 3

Mathematics (p. 124)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

MAC 1105 College Algebra
MAC 2311 Analytic Geometry and Calculus I
MGF 1106 Mathematics for Liberal Arts I
MGF 1107 Mathematics for Liberal Arts II
STA 2023 Elements of Statistics

Group B

MAC 1141 Trigonometry
MAC 1140 Precalculus Algebra
MAC 2233 Calculus with Business Applications
MAC 2312 Analytic Geometry and Calculus II

Social Sciences (p. 124)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

AMH 2020 United States since 1877
ANT 2000 Introduction to Anthropology
ECO 2013 Principles of Economics Macro
POS 2041 American Politics
PSY 2012 General Psychology
SYG 2000 Introduction to Sociology

Group B

AMH 2010 United States to 1877
ANT 2400 Current Cultural Issues
ANT 2100 Introduction to Archaeology
CCJ 2002 Survey of Crime and Justice
CPO 2002 Comparative Politics
DEP 2004 Human Development Across the Lifespan
EUH 1000 Western Perspectives I
EUH 1001 Western Perspectives II
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
SOW 2192 Understanding Relationships in the 21st Century
SYG 2010 Current Social Problems

Humanities (p. 124)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

ARH 1000 Art Appreciation
LIT 2000 Introduction to Literature
MUL 2010 Music Appreciation
PHI 2010 Introduction to Philosophy
THE 2000 The Theatre Experience

Group B

AML 2072 Sex, Money, and Power in American Literature
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
CRW 2001 Introduction to Creative Writing
IDH 1040 Honors Core 1
MUL 2930 The Music Experience: Special Topics
PHI 2103 Critical Thinking
PHI 2603 Ethics in Contemporary Society
REL 1300 World Religions
THE 2300 Survey of Dramatic Literature
SPC 2608 Basic Communication Skills

Natural Sciences (p. 124)
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
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<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<td>Anatomy and Physiology I</td>
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<td>Biology I</td>
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<td>Concepts in Chemistry</td>
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<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
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<td>PHY 2048</td>
<td>University Physics I</td>
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<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
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<tr>
<td>PHY 2053</td>
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**Group B**

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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>
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<td>BOT 2010</td>
<td>General Botany</td>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>BSC 2011</td>
<td>Biology II</td>
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<td>BSC 2311</td>
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<td>CGS 2060</td>
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<td>CHM 1032</td>
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<td>GEO 1200</td>
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<tr>
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</tr>
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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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 124)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://diss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
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<td>Anatomy and Physiology I (+Lab)</td>
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<td>BSC 1086-L</td>
<td>Anatomy and Physiology II (+Lab)</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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<tr>
<td>HSC 2100</td>
<td>Personal Health</td>
</tr>
<tr>
<td>HSC 2577</td>
<td>Principles of Nutrition</td>
</tr>
</tbody>
</table>

Total Hours: 26

* Indicates common prerequisites which can be used to satisfy General Education 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: 0-18**

Recommend HSC 2100 Personal Health be taken at the lower division.

**Major**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 3032</td>
<td>Foundations in Health Education</td>
</tr>
<tr>
<td>HSC 3535</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HSC 4104</td>
<td>Health Aspects of Stress Management</td>
</tr>
<tr>
<td>HSC 4120</td>
<td>Consumer Health Education</td>
</tr>
<tr>
<td>HSC 4133</td>
<td>Health Aspects of Human Sexuality</td>
</tr>
<tr>
<td>HSC 4143</td>
<td>Drugs in Society</td>
</tr>
<tr>
<td>HSC 4211</td>
<td>Human Environmental Health</td>
</tr>
<tr>
<td>HSC 4300</td>
<td>Changing Health Behaviors</td>
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<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
</tr>
<tr>
<td>HSC 4551</td>
<td>Communicable and Degenerative Diseases</td>
</tr>
<tr>
<td>HSC 4572</td>
<td>Nutrition and Health</td>
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<tr>
<td>HSC 4581</td>
<td>Health Promotion and Planning</td>
</tr>
<tr>
<td>HSC 4583</td>
<td>Theoretical Foundations of Health Promotion and Planning</td>
</tr>
<tr>
<td>HSC 4633</td>
<td>Current Issues in School-Community Health</td>
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</table>

Choose one:

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</thead>
<tbody>
<tr>
<td>HSC 4910</td>
<td>Senior Capstone Experience in Community Health Education</td>
</tr>
<tr>
<td>HSC 4940</td>
<td>Internship</td>
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</table>

**Total Hours: 48**

+ Courses included in the major GPA

**Major-Related**

<table>
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<tr>
<th>Course Code</th>
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<tbody>
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<td>Public Health</td>
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Choose one:

<table>
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<tbody>
<tr>
<td>APK 3110-L+</td>
<td>Exercise Physiology (+Lab)</td>
</tr>
<tr>
<td>COM 4022</td>
<td>Health Communication</td>
</tr>
<tr>
<td>STA 4173</td>
<td>Biostatistics</td>
</tr>
</tbody>
</table>

**Total Hours: 6-7**

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: 5-6**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 4120</td>
<td>Consumer Health Education</td>
</tr>
</tbody>
</table>

Choose one of the following Health Foundations courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 4133</td>
<td>Health Aspects of Human Sexuality</td>
</tr>
</tbody>
</table>

**Total Hours: 3**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>HSC 4104</td>
<td>Health Aspects of Stress Management</td>
<td>3</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></td>
<td><strong>Choose one of the following Community Health and Environment courses:</strong> 3</td>
<td></td>
</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>
<tr>
<td></td>
<td><strong>Choose one of the following Health Care courses:</strong> 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong> 12</td>
<td></td>
</tr>
</tbody>
</table>
Computer Engineering

The Computer Engineering program at UWF is accredited by the Engineering Accreditation Commission of ABET, Inc. The BSCE 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. Please visit department website (http://uwf.edu/cse/departments/engineering) for information about minimum hardware configuration, department scholarships (http://uwf.edu/cse/departments/engineering/scholarships/scholarship-information) and other useful information.

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, all computer science courses (COT, CNT, COP prefix), and all courses that serves as prerequisites to other engineering courses. Please see required courses section below for a list of courses that require a minimum grade of a C.

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 here (http://uwf.edu/cutta/curriculum_maps--undergraduates/Computer_Engineering_UG.pdf).

All seniors must complete an exit interview and submit a copy of their senior design report before graduating.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 127)

<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>
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</table>

Mathematics (p. 127)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 127)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of West Florida - Undergraduate
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
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</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>Group B</td>
<td></td>
</tr>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 127)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
<tr>
<td>Group B</td>
<td></td>
</tr>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 127)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I *</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I *</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
</tr>
<tr>
<td>Group B</td>
<td></td>
</tr>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II *</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II *</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II *</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 127)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

In order to minimize the number of courses required, students should consult with their academic advisor for courses which will satisfy both the General Education requirements and common prerequisites. For example, students can take MAC 2311 Analytic Geometry and Calculus I or MAC 2312 Analytic Geometry and Calculus II to complete the Mathematics requirement. The sciences listed in the Common Prerequisites section will also fulfill the General Education Natural Science requirement. To maximize the overlap, one of the two General Education Electives should be taken in the Natural Sciences, specifically CHM 2045 General Chemistry I, PHY 2048 University Physics I, or PHY 2049 University Physics II.

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 (https://dlss.flvc.org/manuals/
common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

Students who have not completed the math and science prerequisites listed below with at least a "C" will be admitted to Pre-Computer Engineering, then changed to Computer Engineering once they have successfully completed the courses. Note that the labs are required for Physics and Chemistry, but a "C" is not required (although a passing grade is required).

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 complete.

Students must complete the common prerequisite courses with a minimum course grade of "C" or better in each. 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 and electrical engineering majors. Students applying for the minor must have a declared major.

Students may take an advisor approved elective in place of introduction to engineering.

Minimum grade of "C" is required in these courses. Note: C- is not acceptable. Other courses may also require a C if they are prerequisites to electives that you choose.

EEL/EEE Elective restrictions: These electives must begin with the EEL or EEE prefix and cannot be otherwise required for the program. Please see your department advisor about current limits for the number of credits of certain repeatable, variable credit courses that will apply to these electives (eg, EEL 4905, EEL 4949, and EEL 4940).

Note that EGN 4950 Capstone Design I and EGN 4952L 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 (p. 151) Microprocessor Applications and EEE 3308 (p. 151) Electronic Circuits I prior to taking EGN 4950 Capstone Design I.

Major-Related

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 3441</td>
<td>Engineering Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Advisor-approved</td>
<td>Engineering or Computer Science Elective</td>
<td>3, +</td>
</tr>
<tr>
<td>EGS 1006</td>
<td>Introduction to Engineering</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Hours 7

It is recommended that students who have no programming experience take EEL 4834 or a lower division programming course prior to taking COP 3014 to fulfill this requirement.

Students may take an advisor approved elective in place of introduction to engineering.

Minimum grade of "C" is required in these courses. Note: C- is not acceptable. Other courses may also require a C if they are prerequisites to electives that you choose.

Courses included in the major GPA

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.

Students must complete the common prerequisite courses with a grade of "C" or better in each.

Students seeking the Minor in computer engineering must have a minimum course grade of "C" or better in the required engineering courses and their prerequisites.

Prerequisites

**MAC 2311** Analytic Geometry and Calculus I 4

Choose one of the following:

**COP 3014** Algorithm and Program Design 3

---

**CHM 2045+L** General Chemistry I (+Lab) 4

**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

**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 Education 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>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3014</td>
<td>Algorithm and Program Design</td>
<td>3</td>
</tr>
<tr>
<td>COP 3530</td>
<td>Data Structures and Algorithms (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>COP 4534</td>
<td>Data Structures and Algorithms (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>COP 4634</td>
<td>Systems &amp; Networks (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>COT 3100</td>
<td>Discrete Structures (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>EEE 3308+L</td>
<td>Electronic Circuits (+Lab)</td>
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</tr>
<tr>
<td>EEL 3111+L</td>
<td>Circuits (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3112</td>
<td>Circuits (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems (+Lab)</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 4712+L</td>
<td>Digital Design (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4713</td>
<td>Digital Computer Architecture (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4744+L</td>
<td>Microprocessor Applications (+Lab)</td>
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</tr>
<tr>
<td>EGM 4313</td>
<td>Intermediate Engineering Analysis (+Lab)</td>
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</tr>
<tr>
<td>EGN 2024</td>
<td>Engineering Software Tools</td>
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<tr>
<td>EGS 4032</td>
<td>Professional Ethics (+Lab)</td>
<td>3</td>
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<tr>
<td>EGN 4950</td>
<td>VLSI Circuit Design (+Lab)</td>
<td>1</td>
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<tr>
<td>EGN 4952L</td>
<td>Capstone Design II (+Lab)</td>
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<tr>
<td>Advisor approved EEL/EEE electives</td>
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<td>12</td>
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Choose one of the following

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EEE 3396</td>
<td>Solid-State Electronic Devices (+Lab)</td>
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</tr>
<tr>
<td>or EEE 4310</td>
<td>VLSI Circuit Design</td>
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Choose one of the following

<table>
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<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4635</td>
<td>Systems &amp; Networks (+Lab)</td>
<td>3</td>
</tr>
<tr>
<td>or CNT 4403</td>
<td>Computer and Network Security</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 72
or EEL 4834           Programming for Engineers

Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3701+L</td>
<td>Digital Logic and Computer 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 4712+L</td>
<td>Digital Design (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4713</td>
<td>Digital Computer Architecture</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 15
Computing and Information Sciences

The B.S. in Computing and Information Sciences is composed of four specializations: Computer Information Systems, Computer Science, Cybersecurity, 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 Computing and Information Sciences must meet the requirements listed below.

A minimum grade of “C-” is required for all major and major-related courses 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 Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Studies Curriculum:

**Communication (p. 131)**

<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>
</tbody>
</table>

**Mathematics (p. 131)**

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
</tr>
<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114 Trigonometry</td>
</tr>
<tr>
<td>MAC 1140 PreCalculus Algebra</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

**Humanities (p. 131)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000 Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010 Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
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<table>
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<tbody>
<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
</tr>
<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>
</tr>
<tr>
<td>ART 101C Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821 Art and Visual Culture Today</td>
</tr>
<tr>
<td>CRW 2001 Introduction to Creative Writing</td>
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<td>IDH 1040 Honors Core 1</td>
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<td>MUH 2930 The Music Experience: Special Topics</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 World Religions</td>
</tr>
<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
</tr>
</tbody>
</table>

**Natural Sciences (p. 131)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020 United States since 1877</td>
</tr>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 213 Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041 American Politics</td>
</tr>
<tr>
<td>PSY 212 General Psychology</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
</tr>
<tr>
<td>ANT 2400 Current Cultural Issues</td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002 Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002 Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</td>
</tr>
<tr>
<td>EUH 1000 Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001 Western Perspectives II</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>
</tr>
<tr>
<td>IDH 1041 Honors Core 2</td>
</tr>
<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>SOW 2192 Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010 Current Social Problems</td>
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</table>

Social Sciences (p. 131)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BOT 1050</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
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</table>

Group B

<table>
<thead>
<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>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology *</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II **</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

The following courses are recommended to complete general studies requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>Humanities/Contemporary Values</td>
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</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>Social Science: Socio-political</td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- AGC 2021 Principles of Financial Accounting 3
- AGC 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.

† A minimum grade of C- is required for COP 2253, COP 2334, MAC 2233 and STA 2023.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CEN 3031</td>
<td>Software Engineering I +</td>
</tr>
<tr>
<td>CEN 3032</td>
<td>Software Engineering II +</td>
</tr>
<tr>
<td>CEN 4400</td>
<td>Introduction to Operations Research +</td>
</tr>
<tr>
<td>CEN 4721</td>
<td>Human-Computer Interaction *</td>
</tr>
<tr>
<td>CIS 3512</td>
<td>Software Documentation *</td>
</tr>
<tr>
<td>CIS 4595C</td>
<td>Capstone Systems Project +</td>
</tr>
<tr>
<td>CNT 4007C</td>
<td>Theory and Fundamentals of Networks +</td>
</tr>
<tr>
<td>COP 3022</td>
<td>Intermediate Computer Programming *</td>
</tr>
<tr>
<td>COP 3813</td>
<td>Server-Side Programming +</td>
</tr>
<tr>
<td>COP 4027</td>
<td>Advanced Computer Programming +</td>
</tr>
<tr>
<td>COP 4610</td>
<td>Theory and Fundamentals of Operating Systems +</td>
</tr>
<tr>
<td>COP 4710</td>
<td>Database Systems +</td>
</tr>
<tr>
<td>COP 4856</td>
<td>Distributed Software Architecture I +</td>
</tr>
<tr>
<td>COT 3100</td>
<td>Discrete Structures +</td>
</tr>
<tr>
<td>CAP 4770</td>
<td>Data Mining +</td>
</tr>
<tr>
<td>COP 4723</td>
<td>Database Administration +</td>
</tr>
</tbody>
</table>

Total Hours 48

Major-Related

Four 3000/4000 level advisor approved electives * 12

Total Hours 12

+ Courses included in the major GPA

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 algorithms, data structures, computer architecture, programming languages, and net-centric computing.

General Studies

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Studies Curriculum:

### Communication (p. 131)

<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>
</tbody>
</table>

### Mathematics (p. 131)

Choose one course from Group A and one additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td></td>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
</tr>
<tr>
<td></td>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
</tr>
<tr>
<td></td>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td></td>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td></td>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

### Social Sciences (p. 131)

Choose one course from Group A and one additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
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<tr>
<td></td>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<td></td>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td></td>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td></td>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td></td>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td></td>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td></td>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td></td>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td></td>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td></td>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td></td>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td></td>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td></td>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
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<td></td>
<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></td>
<td>GEB 1011</td>
<td>Introduction to Business</td>
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<td></td>
<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td></td>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td></td>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
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<tr>
<td></td>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td></td>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td></td>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</tbody>
</table>

### Humanities (p. 131)

Choose one course from Group A and one additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ARH 1000</td>
<td>Art Appreciation</td>
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<tr>
<td></td>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td></td>
<td>MUL 2010</td>
<td>Music Appreciation</td>
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<tr>
<td></td>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td></td>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
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<td></td>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<tr>
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<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
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<tr>
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<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td></td>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
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<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>IDH 1040</td>
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<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
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<td></td>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
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<td>REL 1300</td>
<td>World Religions</td>
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<td></td>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td></td>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

### Natural Sciences (p. 131)
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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>COP XXXX</td>
<td>Introductory programming in Ada, C, C++, Pascal, or equivalent language</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>PHY 2048L</td>
<td>University Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>University Physics II (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

Two science courses for science majors: 6

Total Hours: 25

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

† A minimum grade of C- is required for COP XXXX, MAC 2311 and MAC 2312.

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CDA 3101</td>
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<tr>
<td>COT 3100</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4590</td>
<td>Capstone Project I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4592</td>
<td>Capstone Project II</td>
<td>3</td>
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<tr>
<td>COP 4710</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>COP 3014</td>
<td>Algorithm and Program Design</td>
<td>3</td>
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<tr>
<td>COP 3530</td>
<td>Data Structures and Algorithms I</td>
<td>3</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages</td>
<td>3</td>
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<tr>
<td>COP 4331</td>
<td>Object Oriented Programming</td>
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<tr>
<td>COP 4534</td>
<td>Data Structures and Algorithms II</td>
<td>3</td>
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<tr>
<td>COP 4634</td>
<td>Systems &amp; Networks I</td>
<td>3</td>
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<tr>
<td>COP 4635</td>
<td>Systems &amp; Networks II</td>
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<tr>
<td>COP 4420</td>
<td>Theory of Computation</td>
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<tr>
<td>List of pre-approved concentration courses available in the department</td>
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</table>

Total Hours: 51

+ Courses included in the major GPA

Major-Related

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<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>MAS 3105</td>
<td>Linear Algebra</td>
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<tr>
<td>MHF 3202</td>
<td>Set Theory and Mathematical Logic</td>
<td>3</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Introduction to Mathematical Statistics</td>
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</table>

Total Hours: 9

* 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.

Cybersecurity Specialization

The Cybersecurity specialization prepares graduates to be leaders in the protection of data assets and analysis of potential threats to system and networks. The curriculum focuses on the techniques, policies, operational procedures, and technologies that secure and defend the availability, integrity, authentication, confidentiality, and non-repudiation of information and information systems, in local as well as more broadly based domains. The major helps prepare students for
careers as information systems security professionals, senior system managers, and system administrators responsible for information systems and security of those systems.

**General Education**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

**General Education Curriculum:**

**Communication (p. 131)**

<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>
<td>English Composition II</td>
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**Mathematics (p. 131)**

Choose one course from Group A and one Additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</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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<td>MGF 1107</td>
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<td>STA 2023</td>
<td>Elements of Statistics</td>
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<th>Group B</th>
<th>Course</th>
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<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
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<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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**Social Sciences (p. 131)**

Choose one course from Group A and one additional course from either Group A or Group B 6

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<th>Course</th>
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<th>Credits</th>
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<td>Introduction to Anthropology</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<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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<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td></td>
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<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>GEB 1011</td>
<td>Introduction to Business</td>
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<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>
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<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
<td></td>
</tr>
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</table>

**Humanities (p. 131)**

Choose one course from Group A and one additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
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<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
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</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
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<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
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<th>Credits</th>
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<tr>
<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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<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
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<td>Art and Visual Culture Today</td>
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<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
<td></td>
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</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL 1300</td>
<td>World Religions</td>
<td></td>
<td></td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
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<td></td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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</tbody>
</table>

**Natural Sciences (p. 131)**
Choose one course from Group A and one additional course from either Group A or Group B.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
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<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
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<td>GEO 1200</td>
<td>Physical Geography</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>PHY 2049</td>
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<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 131)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

The following courses are recommended to complete general education 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 2048L University Physics I (+Lab)
  - CIS 2530 Introduction to Cyber Security

- **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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- COP XXXX Introductory programming in Java, C, C++ or equivalent language
- MAC 2311 Analytic Geometry and Calculus I
- MAC 2312 Analytic Geometry and Calculus II
- PHY 2048L University Physics I (+Lab)
- CIS 2530 Introduction to Cyber Security
- STA 2023 Elements of Statistics

One science course for science majors

**Total Hours 24**

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

† Minimum grade of C- is required for COP XXXX, MAC 2311 and MAC 2312.

**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.

If not taken as a general education course, the following courses are recommended as lower division electives:

- ACG 2021 Principles of Financial Accounting
- CGS 2060 Excursions in Computing
- ECO 2023 Principles of Economics Micro
- SPC 2608 Basic Communication Skills

**Major**

- CDA 3101 Introduction to Computer Organization
- CEN 4078 Secure Software Development
- CIS 4368 Introduction to Database Security
- CIS 4385 Ethical Hacking and Penetration Testing
- CIS 4595C Capstone Systems Project
- CNT 4403 Computer and Network Security
- CNT 4416 Cyber War Gaming
- COP 3014 Algorithm and Program Design
- COP 3022 Intermediate Computer Programming
- COP 3530 Data Structures and Algorithms
- COP 4710 Database Systems
- COP 4723 Database Administration
- ISM 3323 Information Security Management

Choose one group of courses from the following groupings:

- COP 4610 Theory and Fundamentals of Operating Systems
- CNT 4007C Theory and Fundamentals of Networks (or)

- COP 4634 Systems & Networks I
- COP 4635 Systems & Networks II
- CTS 4348 Linux System Administration

**Total Hours 48**

* Courses included in the major GPA

**Major-Related**

Four 3000/4000 level advisor approved electives including courses in computer science, electrical and computer engineering, management information systems, criminal justice, applied sciences and industry certification courses. List of approved major-related courses available in the department.

**Total Hours 12**

**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 processes, and project management.

**General Education**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

**General Education Curriculum:**

**Communication** (p. 131)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<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>
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**Mathematics** (p. 131)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
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<th>Group A</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<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>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
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**Social Sciences** (p. 131)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
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<tr>
<th>Group A</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>Western Perspectives II</td>
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<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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</table>

**Humanities** (p. 131)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
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<tr>
<th>Group A</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>Introduction to Literature</td>
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<td>MUL 2010</td>
<td>Music Appreciation</td>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
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<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>
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<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
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<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>IDH 1040</td>
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<td>MUH 2930</td>
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<td>Critical Thinking</td>
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<td>Ethics in Contemporary Society</td>
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<td>World Religions</td>
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<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

**Natural Sciences** (p. 131)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

Group B
- ANT 2511 Biological Anthropology
- BOT 1010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 131)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

The following courses are recommended to complete general education 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 2048L University Physics I (+Lab)
  - PHY 2049L 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- COP XXXX Introduction programming in Ada, C, C++, Pascal, or equivalent language
- MAC 2311 Analytic Geometry and Calculus I
- MAC 2312 Analytic Geometry and Calculus II
- PHY 2048L University Physics I (+Lab)
- PHY 2049L University Physics II (+Lab)

Two science courses for science majors

Total Hours: 25

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

† Minimum grade of C- is required for COP XXXX, MAC 2311 and MAC 2312.

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.

If not taken as a general education course, the following courses are recommended as lower division electives:

- ACG 2021 Principles of Financial Accounting
- CGS 2060 Excursions in Computing
- SPC 2068 Basic Communication Skills
- ECO 2023 Principles of Economics Micro

Total Hours: 0-12

If not taken as a general education course, the following courses are recommended as lower division electives:

- ACG 2021 Principles of Financial Accounting
- CGS 2060 Excursions in Computing
- SPC 2068 Basic Communication Skills

Major

- CIS 3512 Software Documentation
- CDA 3101 Introduction to Computer Organization
- CEN 3031 Software Engineering I
- CEN 3032 Software Engineering II
- CEN 4053 Software Engineering Management
- CEN 4721 Human-Computer Interaction
- CEN 4400 Introduction to Operations Research
- CIS 4595C Capstone Systems Project
- CIS 4385 Ethical Hacking and Penetration Testing
- CNT 4007C Theory and Fundamentals of Networks
- COP 3014 Algorithm and Program Design
- COP 3022 Intermediate Computer Programming
- COP 3530 Data Structures and Algorithms I
- COP 4027 Advanced Computer Programming
- COP 4610 Theory and Fundamentals of Operating Systems
- COP 4710 Database Systems
- COT 3100 Discrete Structures
- STA 4321 Introduction to Mathematical Statistics

Total Hours: 54

+ Courses included in the major GPA

Upper Division Electives

One Departmental Approved Math course or a Science course for science majors

Choose one of the following

- COP 4020 Programming Languages
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, SE, and Cybersecurity majors may not earn this minor.

- COP 3014 Algorithm and Program Design 3
- COP 3530 Data Structures and Algorithms I 3
- COP 4634 Systems & Networks I 3
- Advisor approved Computer Science elective 3
- Choose one of the following: 3
  - CDA 3101 Introduction to Computer Organization
  - COP 4331 Object Oriented Programming
  - COP 4534 Data Structures and Algorithms II
  - COT 4420 Theory of Computation
  - EEL 3701 Digital Logic and Computer Systems

Total Hours 15

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.

- CEN 4721 Human-Computer Interaction 3
- COP 2253 Programming Using Java 3
- COP 3022 Intermediate Computer Programming 3
- COP 4710 Database Systems 3
- COP 4856 Distributed Software Architecture I 3
- Choose one of the following: 3-4
  - MAC 2233 Calculus with Business Applications
  - MAC 2311 Analytic Geometry and Calculus I

Total Hours 18-19

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.

- CGS 3464 Programming Using Visual Basic for Non-Majors 3
- COP 2253 Programming Using Java 3
- COP 2334 Programming Using C++ 3
- Required courses:
  - COP 2830 Script Programming 3
  - CGS 3604 Applications of Information Technology 3

Total Hours 6

Certificates

Cybersecurity Certificate

Department: Computer Science

Method of Instruction: Classroom

Semester Hours: 15

This certificate program is focused on networking and security, prepares professionals to become Cybersecurity Specialists. In this certificate students develop technical and problem-solving skills to help organizations defend their network systems. 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. Cybersecurity majors may not earn this certificate.

- CNT 4007C Theory and Fundamentals of Networks 3
- COP 4634 or COP 4633 Systems & Networks I 3
- COP 4610 or COP 4635 Theory and Fundamentals of Operating Systems 3
- COP 3022 Intermediate Computer Programming 3
- Choose two: 6
  - COT 4403 Computer and Network Security
  - CIS 4368 Introduction to Database Security
  - CEN 4078 Secure Software Development

Total Hours 18

Geospatial Computing Certificate

Department: Environmental Science

Semester Hours: 22

The Certificate in Geospatial Computing combines foundation computer programming, database and web programming concepts with the specialized study of geographic information systems. This program is designed to address the need for customized GIS desktop and web-based applications related to business, geospatial intelligence, education, healthcare, and numerous other employment fields.

As part of the coursework, students will be provided with the opportunity to become technically proficient in a variety of geospatial technologies and applications through hands-on instruction. The program focuses on Geographic Information Science, data mining, programming, database concepts, computational modeling, automation, and implementation of customized GIS applications. The proposed courses have been carefully combined to reflect the real-world requirements needed for careers in the geospatial sciences. With 100 percent of the coursework offered online, this program is designed to meet the needs of recent graduates looking to enter the workforce and those working professionals who did not acquire a computational GIS background as part of their primary academic training while they continue to hold their position in their chosen field.

Program Requirements

In addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of "C-"
or better in each course, and secure a combined grade point average of 2.5 or higher for the courses required by the certificate.

GIS 4043+L  Geographic Information Systems (+Lab)  4
GIS 4048  Applications in Geographic Information Systems  3
GIS 4930  Special Topics in Geographic Information Science  3

Choose one of the following  3

COP 2253  Programming Using Java
CGS 3464  Programming Using Visual Basic for Non-Majors
COP 2334  Programming Using C++
COP 4710  Database Systems  3

Select one of the following  3

COP 3813  Server-Side Programming (Internet Programming)
CAP 4770  Data Mining
CNT 4007C  Theory and Fundamentals of Networks

Select one of the following  3

GIS 4944  GIS Internship
GIS 4102  GIS Programming

Total Hours  22

Geospatial Cybersecurity Certificate

Department: Computer Science

Semester Hours: 22

The Geospatial Cybersecurity certificate combines foundational courses in computer programming, database and cybersecurity with the specialized study of geographic information systems. This program is designed to address the need for Cybersecurity GIS applications related to business, geospatial intelligence, education, healthcare, and numerous other employment fields.

As part of the coursework, students will be provided with the opportunity to become technically proficient in a variety of geospatial technologies and applications through hands-on instruction. The program focuses on Geographic Information Science, programming, database, data mining, and cybersecurity concepts, computational modeling, automation, and implementation of customized GIS applications. The proposed courses have been carefully combined to reflect the real-world requirements needed for careers in the cybersecurity applications of geospatial sciences. With 100 percent of the coursework offered online, this program is designed to meet the needs of recent graduates looking to enter the workforce and those working professionals who did not acquire a computational Cybersecurity GIS background as part of their primary academic training while they continue to hold their position in their chosen field.

Program Requirements

In addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of “C” or better in each course, and secure a combined grade point average of 2.5 or higher for the courses required by the certificate.

The certificate is composed of seven courses for a total of 22 semester hours, as shown below.

Select one of the four programming courses (3hrs):  3

CGS 3464  Programming Using Visual Basic for Non-Majors
GIS 4102  GIS Programming
COP 2334  Programming Using C++
COP 2253  Programming Using Java

Required Courses (Common Core)  18 hrs
GIS 4043+L  Geographic Information Systems (+Lab)  4
CIS 2530  Introduction to Cyber Security  3
GIS 4048  Applications in Geographic Information Systems  3
COP 4710  Database Systems  3
CAP 4770  Data Mining  3
GIS 4930  Special Topics in Geographic Information Science  3

Total Hours  22
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, to conduct research in the field, or to pursue advanced degrees.

An accelerated bachelor’s 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 Criminal Justice System should be taken as the first course in the major. STA 2023 Elements of Statistics is recommended for all majors.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 141)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</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>
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</table>

Mathematics (p. 141)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<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>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 141)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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Group B

<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>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</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>
</tr>
<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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<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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 141)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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</table>

Group B

<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>
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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>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 141)
**Criminal Justice**

Choose one course from Group A and one additional course from either Group A or Group B

**Group A**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
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<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 2010</td>
<td>Biology I</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
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<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
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<tr>
<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 2048C</td>
<td>University Physics I - Studio</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
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**Group B**

<table>
<thead>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<td>General Botany</td>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>BSC 2011</td>
<td>Biology II</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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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
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<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
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<td>PHY 2054</td>
<td>General Physics II</td>
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</table>

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** 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet 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**

<table>
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<tr>
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<tbody>
<tr>
<td>CCJ 3014</td>
<td>Criminology</td>
</tr>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
</tr>
<tr>
<td>CCJ 4700</td>
<td>Research Design in Criminal Justice</td>
</tr>
<tr>
<td>CJ 4010</td>
<td>Corrections</td>
</tr>
<tr>
<td>CJ 4110</td>
<td>Policing</td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Courts</td>
</tr>
<tr>
<td>CCJ 4939</td>
<td>Criminal Justice Seminar</td>
</tr>
<tr>
<td>CCJ 4940</td>
<td>Criminal Justice Internship</td>
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</table>

Choose one:

**Total Hours**

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</tr>
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<td>Criminal Justice Internship</td>
</tr>
</tbody>
</table>

**Criminal Justice Major**

21 semester hours of criminal justice (CCJ, CJC, CJL, CJJ, DSC) 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; criminal justice internship taken as part of core requirements shall not count in this category).

**Total Hours**

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<tr>
<td>CCJ 4939</td>
<td>Criminal Justice Seminar</td>
</tr>
<tr>
<td>CCJ 4940</td>
<td>Criminal Justice Internship</td>
</tr>
</tbody>
</table>

**Major-Related Electives**

6 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).

<table>
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<tr>
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<tbody>
<tr>
<td>CCJ 3014</td>
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<td>Courts</td>
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<td>Criminal Justice Seminar</td>
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**Total Hours**

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<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
</tr>
<tr>
<td>CCJ 4700</td>
<td>Research Design in Criminal Justice</td>
</tr>
<tr>
<td>CJ 4010</td>
<td>Corrections</td>
</tr>
<tr>
<td>CJ 4110</td>
<td>Policing</td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Courts</td>
</tr>
<tr>
<td>CCJ 4939</td>
<td>Criminal Justice Seminar</td>
</tr>
<tr>
<td>CCJ 4940</td>
<td>Criminal Justice Internship</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**

**Accelerated Bachelors(B.A.)/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 classes
- One letter of recommendation from a Criminal Justice or Legal Studies faculty member

**Process:**
A prospective student who meets the minimum requirements for admission into 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...
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 either toward 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 toward both degrees (i.e., the student can only apply the graduate credit hours toward 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 BACJ 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 Criminal 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.

Criminal Justice

The Criminal Justice Minor provides an overview of the criminal justice system. Criminal Justice majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3014</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJC 4010</td>
<td>Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4110</td>
<td>Policing</td>
<td>3</td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Courts</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Forensic Studies

The Forensic Studies Minor supplements course work in majors related to criminal justice. It prepares students for careers in investigation as well as graduate study. Criminal Justice majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3654</td>
<td>Drugs, Crime, and Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJE 3674</td>
<td>Introduction to the Forensic Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>PLA 4309</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Juvenile Justice

This is an interdisciplinary minor for students seeking job opportunities in juvenile justice. The minor introduces students to the juvenile justice system, explores issues related to juvenile delinquency, examines alternative programs available for treating delinquency, and teaches students case management skills. The minor is especially compatible with those in social science disciplines and social science-related professional fields. Criminal Justice majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJC 4167</td>
<td>Community Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CJJ 4010</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3314</td>
<td>Case Management</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4111</td>
<td>Adolescents At Risk</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>
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. 147) section).

Students should consult their academic advisor for courses which may satisfy both the General Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

<table>
<thead>
<tr>
<th>Communication (p. 144)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
</tr>
<tr>
<td>ENC 1102</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics (p. 144)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from Group A and one Additional course from either Group A or Group B</td>
</tr>
</tbody>
</table>

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Social Sciences (p. 144)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from Group A and one additional course from either Group A or Group B</td>
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Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<td>AMH 2010</td>
<td>United States to 1877</td>
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<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
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<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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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 Public Administration</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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<table>
<thead>
<tr>
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<tr>
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<table>
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</thead>
<tbody>
<tr>
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Group A

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<tr>
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<td>Mathematics for Liberal Arts II</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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</table>

Group B

<table>
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<tr>
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<tbody>
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<td>Analytic Geometry and Calculus II</td>
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</table>

Social Sciences (p. 144)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
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</tr>
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<td>PSY 2012</td>
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Group B

<table>
<thead>
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<tbody>
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<td>AMH 2010</td>
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<td>FIN 2104</td>
<td>Personal Financial Planning</td>
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<td>GEA 2000</td>
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<td>GEB 1011</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
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</table>
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>LIT 2000 Introduction to Literature</td>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>MUL 2010 Music Appreciation</td>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>ART 1015C Exploring Artistic Vision</td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td>ART 2821 Art and Visual Culture Today</td>
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<tr>
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<td>CRW 2001 Introduction to Creative Writing</td>
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<td>IDH 1040 Honors Core 1</td>
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<td>MUH 2930 The Music Experience: Special Topics</td>
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<td>PHI 2103 Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PHI 2603 Ethics in Contemporary Society</td>
</tr>
<tr>
<td></td>
<td>REL 1300 World Religions</td>
</tr>
<tr>
<td></td>
<td>THE 2300 Survey of Dramatic Literature</td>
</tr>
<tr>
<td></td>
<td>SPC 2608 Basic Communication Skills</td>
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</tbody>
</table>

Natural Sciences (p. 144)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002 Descriptive Astronomy</td>
<td>ANT 2511 Biological Anthropology</td>
</tr>
<tr>
<td>BSC 1005 General Biology for Non-Majors</td>
<td>BOT 2010 General Botany</td>
</tr>
<tr>
<td>BSC 1085 Anatomy and Physiology I</td>
<td>BSC 1050 General Biology II</td>
</tr>
<tr>
<td>BSC 2010 Biology I</td>
<td>BSC 2311 Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry</td>
<td>CGS 2060 Excursions in Computing</td>
</tr>
<tr>
<td>CHM 2045 General Chemistry I **</td>
<td>CHM 1032 Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>ESC 2000 Introduction to Earth Science</td>
<td>CHM 2046 General Chemistry II</td>
</tr>
<tr>
<td>EVR 2001 Introduction to Environmental Science</td>
<td>CIS 2530 Introduction to Cyber Security</td>
</tr>
<tr>
<td>PHY 1020 Introduction to Concepts in Physics</td>
<td>GEO 1200 Physical Geography</td>
</tr>
<tr>
<td>PHY 2048 University Physics I **</td>
<td>GLY 2010 Physical Geology</td>
</tr>
<tr>
<td>PHY 2048C University Physics I - Studio</td>
<td>MCB 1000 Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2053 General Physics I **</td>
<td>PHY 2049 University Physics II</td>
</tr>
<tr>
<td></td>
<td>PHY 2054 General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 144)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Economics BA majors should take the following courses to satisfy components of the General Education curriculum:

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Humanities/Contemporary Values and Expressions</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Elements of Statistics</td>
<td>PHI 2010 Introduction to Philosophy</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
<td>ECO 2013 Principles of Economics Macro</td>
</tr>
<tr>
<td>or MAC 2311 Analytic Geometry and Calculus I</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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. 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 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>Total Hours</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

* Indicates common prerequisites which can be used to satisfy General Education requirement.

### Major

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.

<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>
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</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 3203</td>
<td>Intermediate Macroeconomics +</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 4431</td>
<td>Business and Economic Forecasting +</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4704</td>
<td>International Trade and Commercial Policy +</td>
<td>3</td>
</tr>
<tr>
<td>Six 3000/4000 level ECO or ECP electives *,+</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>ECO 3223</td>
<td>Money and Banking</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>
</tr>
<tr>
<td>ECO 4941</td>
<td>Economics Internship</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4302</td>
<td>Environmental Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4314</td>
<td>Natural Resources Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4413</td>
<td>Industrial Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4613</td>
<td>Urban and Regional Economic Development</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3714</td>
<td>Sports Markets</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

* 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
<td>15</td>
</tr>
</tbody>
</table>

### 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>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td>Total Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four 3000/4000 level economics (ECO or ECP) electives</td>
<td></td>
<td>12</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>
</tbody>
</table>
Economics, Business

The B.S.B.A. in Business Economics is an included program in the University's accreditation by AACSB International.

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 actively 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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 147)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</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>
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</tbody>
</table>

Mathematics (p. 147)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td></td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td></td>
</tr>
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</table>

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group A

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Social Sciences (p. 147)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group B

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 147)
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

**Group B**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUN 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

**Natural Sciences (p. 147)**

Choose one course from Group A and one additional course from either Group A or Group B

**Group A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I **</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics *</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
</tr>
</tbody>
</table>

**Group B**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II *</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II *</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology *</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology *</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II *</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II *</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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 147)**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Economics BSBA majors should take the following courses to satisfy components of the General Education curriculum courses:

<table>
<thead>
<tr>
<th>Component</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>6</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
<td>ECO 2013</td>
<td>Principles of Economics Macro</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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
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 21

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

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 33% 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

**College of Business BSBA Core**

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

<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>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 30

**College of Business Undergraduate Transfer Credit Policy**

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida’s Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

**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**

**Comprehensive Economics Specialization**

<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>
<td>3</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics *</td>
<td>3</td>
</tr>
<tr>
<td>Six 3000/4000 Economics (ECO or ECP) level electives *</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>ECO 3223</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4401</td>
<td>Introduction to Mathematical Economics</td>
<td></td>
</tr>
<tr>
<td>ECO 4431</td>
<td>Business and Economic Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4941</td>
<td>Economics Internship</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4302</td>
<td>Environmental Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4314</td>
<td>Natural Resources Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4413</td>
<td>Industrial Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4613</td>
<td>Urban and Regional Economic Development</td>
<td></td>
</tr>
<tr>
<td>MAR 3714</td>
<td>Sports Markets</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 24

**Major-Related**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two 3000/4000 level advisor-approved electives *</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 6

+ Courses included in the major GPA

**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**

**Global Economics Specialization**

<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>
<td>3</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics *</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4704</td>
<td>International Trade and Commercial Policy</td>
<td></td>
</tr>
<tr>
<td>Three advisor-approved Economic courses taken at a UWF partner university abroad *</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Six 3000/4000 level economics elective *</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ECO 3223</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4401</td>
<td>Introduction to Mathematical Economics</td>
<td></td>
</tr>
<tr>
<td>ECO 4431</td>
<td>Business and Economic Forecasting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4941</td>
<td>Economics Internship</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4302</td>
<td>Environmental Economics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECP 4314</td>
<td>Natural Resources Economics</td>
<td>3</td>
</tr>
<tr>
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<td>3</td>
</tr>
<tr>
<td>ECP 4613</td>
<td>Urban and Regional Economic Development</td>
<td></td>
</tr>
<tr>
<td>MAR 3714</td>
<td>Sports Markets</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 24

**Major-Related**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six 3000/4000 level Economics (ECO or ECP) electives *</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

+ Courses included in the major GPA
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 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>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>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>
Electrical Engineering

The Electrical Engineering Program at UWF is accredited by the Engineering Accreditation Commission of ABET, Inc. The BSEE 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. Please visit department website (http://uwf.edu/cse/departments/engineering) for information about minimum hardware configuration, department scholarships (http://uwf.edu/cse/departments/engineering/scholarships/scholarship-information) and other useful information.

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 math, science, and engineering courses that serve as prerequisites to EGN, EGM, EML, EEL, and EEE prefixed courses and labs. In addition, a minimum "C" grade is required for the electrical engineering core courses. See below for a list of all courses that require a minimum grade of a "C".

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 151)

<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>
</tbody>
</table>

Mathematics (p. 151)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 151)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group B

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEW 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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 151)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

Group B
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

Natural Sciences (p. 151)

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

Group B
- ANT 2511: Biological Anthropology
- BOT 2100: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 151)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

In order to minimize the number of courses required, students should consult with their academic advisor for courses which will satisfy both the General Education requirements and common prerequisites.

For example, students can take MAC 2311 Analytic Geometry and Calculus I or MAC 2312 Analytic Geometry and Calculus II to complete the Mathematics requirement. The sciences listed in the Common Prerequisites section will also fulfill the General Education Natural Science requirement. To maximize the overlap, one of the two General Education Electives should be taken in the Natural Sciences, specifically CHM 2045 General Chemistry I, PHY 2048 University Physics I, or PHY 2049 University Physics II.

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 (https://dlss.flvc.org/manuals/
common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

Students who have not completed the math and science prerequisites listed below with a minimum grade of a “C” will be admitted to Pre-Electrical Engineering, then changed to Electrical Engineering once they have successfully completed the courses. Note that the labs are required for Physics and Chemistry, but a “C” is not required (although a passing grade is required).

CHM 2045+L General Chemistry I (+Lab) * 4
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
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 Education 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) as prerequisites to any engineering classes they wish to take.

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 3308+L</td>
<td>Electronic Circuits I (+Lab) * 4</td>
</tr>
<tr>
<td>EEE 4306+L</td>
<td>Electronic Circuits II (+Lab) * 4</td>
</tr>
<tr>
<td>EEL 3111+L</td>
<td>Circuits I (+Lab) * 4</td>
</tr>
<tr>
<td>EEL 3112</td>
<td>Circuits II * 3</td>
</tr>
<tr>
<td>EEL 3135</td>
<td>Discrete-Time Signals and Systems * 3</td>
</tr>
<tr>
<td>EEL 3211+L</td>
<td>Basic Electric Energy Engineering (+Lab) * 4</td>
</tr>
<tr>
<td>EEL 3472</td>
<td>Electromagnetic Fields and Applications (+Lab) * 3</td>
</tr>
<tr>
<td>EEL 3701+L</td>
<td>Digital Logic and Computer Systems (+Lab) * 3</td>
</tr>
<tr>
<td>EEL 4514+L</td>
<td>Communication Systems and Components (+Lab) * 4</td>
</tr>
<tr>
<td>EEL 4567+L</td>
<td>Linear Control Systems (+Lab) * 4</td>
</tr>
<tr>
<td>EEL 4744+L</td>
<td>Microprocessor Applications (+Lab) * 4</td>
</tr>
<tr>
<td>EEL 4834</td>
<td>Programming for Engineers * 3</td>
</tr>
<tr>
<td>EGM 2500</td>
<td>Engineering Mechanics-Statics * 3</td>
</tr>
<tr>
<td>EGM 4313</td>
<td>Intermediate Engineering Analysis * 3</td>
</tr>
<tr>
<td>EGN 2304</td>
<td>Engineering Software Tools * 1</td>
</tr>
<tr>
<td>EGN 4950</td>
<td>Capstone Design I * 2</td>
</tr>
<tr>
<td>EGN 4952L</td>
<td>Capstone Design II * 2</td>
</tr>
<tr>
<td>EGS 4032</td>
<td>Professional Ethics * 3</td>
</tr>
<tr>
<td>EEL/EEE Electives 1, 4, 3</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following * 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 3396</td>
<td>Solid-State Electronic Devices</td>
</tr>
<tr>
<td>or EEE 4310</td>
<td>VLSI Circuit Design</td>
</tr>
</tbody>
</table>

Total Hours 72

1 EEL/EEE Elective restrictions: These electives must begin with the EEL or EEL prefix and cannot be otherwise required for the program. A limited set of preapproved Mechanical Engineering courses may also be used. See your advisor for details. A maximum of 3 sh in EEL 4949 Co-Op Work Experience, 3 sh in EEL 4905, and 3 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.

2 Note that EGN 4950 Capstone Design I and EGN 4952L Capstone Design II are the senior design project courses. 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 (p. 151) Microprocessor Applications and EEE 3308 (p. 151) Electronic Circuits I prior to taking EGN 4950 Capstone Design I.

Major-Related

Consult the department for the current list of approved professional development elective courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006</td>
<td>Introduction to Engineering 3, 1</td>
</tr>
<tr>
<td>EGS 3441</td>
<td>Engineering Statistics</td>
</tr>
<tr>
<td>EG 3401</td>
<td>Engineering Mechanics-Dynamics *</td>
</tr>
<tr>
<td>or EIN 4354</td>
<td>Engineering Economy</td>
</tr>
</tbody>
</table>

Total Hours 7

3 Transfer students or non-freshmen may choose to substitute a professional development elective. Work with your academic advisor to choose an elective that will aid you in your career objectives.

4 Typical courses for this elective include, but are not limited to, professional writing courses, courses from STEM departments (not already required for our program), and additional EEL/EEE/EME/EGM elective credits beyond the 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.

5 Other calculus-based statistics courses may also be acceptable.

5 Other Engineering courses may also be acceptable. See the department advisor.

6 These courses require a minimum grade of a C. Note C- isn’t acceptable. Other courses may also require a C if they are prerequisites to electives that you choose.

+ Courses included in the major GPA

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>EEE 3308+L</td>
<td>Electronic Circuits I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3204</td>
<td>Engineering Software Tools</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>3000/4000 EEL/EEE elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>
Elementary Education

The B.A. in Elementary Education leads directly to Florida teacher certification in Elementary Education for grades Kindergarten through Grade 6 with ESOL and Reading Endorsements.

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 earn the Professional Education Minor. The Professional Education Minor is designed for content majors to complete the requirements for a temporary middle or secondary certification in Florida. Coursework meets the requirement of the Professional Training Option (PTO) and is consistent with the program requirements of Florida Department of Education. For additional information review the Professional Education Minor section of this catalog (http://catalog.uwf.edu/undergraduate/professionaleducation).

Responsibility for the teacher education programs at The University rests with the Dean of the College of Education and 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 Chair of Teacher Education and Educational Leadership (TEEL) or an advisor in the College of Education and Professional Studies to obtain the most current program requirements.

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 are fully admitted to the Teacher Education program. While in the pending status, students may not take 3000/4000 level education coursework, but should work closely with their advisor to plan an appropriate course of study in preparation for application to the program.

To be admitted, students must meet the following requirements:

- A cumulative GPA of 2.50 in all previously attempted college work;
- A passing score on the General Knowledge Test of the Florida Teacher Certification Exam;
- 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);
- Passing results on the general knowledge, professional, and subject area tests of the Florida Teacher Certification Examination;
- Recommendation of the student’s academic advisor and approval of the Chair of the Department of Teacher Education and Education Leadership

Requirements for admission to Teacher Education include the following:

- Full admission to teacher education;
- 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;
- Subject area tests of the Florida Teacher Certification Examination;
- Recommendation of the student’s academic advisor and approval of the Chair of the Department of Teacher Education and Education Leadership

During the time a student is engaged in student teaching, any outside employment or additional academic work (excepting senior seminar) must be approved by the TEEL Chair.

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 program 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

**General Education Curriculum:**

**Communication (p. 155)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
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**Mathematics (p. 155)**

Choose one course from Group A and one Additional course from either Group A or Group B

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<td>Trigonometry</td>
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**Social Sciences (p. 155)**

Choose one course from Group A and one additional course from either Group A or Group B

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<td>Survey of American Law</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<td>SYG 2010</td>
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**Natural Sciences (p. 155)**

Choose one course from Group A and one additional course from either Group A or Group B

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<tr>
<th>Group</th>
<th>Course Code</th>
<th>Course Title</th>
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<td>LIT 2000</td>
<td>Introduction to Literature</td>
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<td>Music Appreciation</td>
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<td>Introduction to Philosophy</td>
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<td>The Theatre Experience</td>
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<td>Group B</td>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
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<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>Introduction to Creative Writing</td>
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<td>IDH 1040</td>
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<td></td>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<tr>
<td></td>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
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<td>REL 1300</td>
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<td>Survey of Dramatic Literature</td>
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**Humanities (p. 155)**

<table>
<thead>
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<td>PHI 2010</td>
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<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>
Courses may be used to meet this requirement. Any course identified by the student is currently earning the A.A. or B.S. Foreign language 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 Advisor-Approved Electives**

Students must complete sufficient 1000/2000 level advisor-approved electives to satisfy at least 60 sh in the lower division. Current UWF students may substitute courses at other levels (3000-4000) with permission.

**Total Hours**

15

The DOE approved Elementary Education Certification program 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. Students must be admitted to the Elementary Education program prior to enrolling in any 3000/4000 level education coursework.

**Major**

<table>
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<th>Course</th>
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<td>EDE 4200</td>
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<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education +</td>
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<tr>
<td>EDG 3945</td>
<td>Field Experience I</td>
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<td>EDG 4373</td>
<td>Elementary and Special Education Integrated Arts</td>
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<td>EDG 4345</td>
<td>Educational Assessment</td>
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<td>EDG 4413</td>
<td>Classroom Management</td>
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<td>EDG 4949</td>
<td>Field Experience II</td>
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<td>EEX 3070</td>
<td>Methods in Inclusion and Collaboration +</td>
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<tr>
<td>EME 3410</td>
<td>Emerging Technology in the Classroom +</td>
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<tr>
<td>LAE 3314</td>
<td>Literacy for the Emergent Learner +</td>
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<td>MAE 4310</td>
<td>Teaching Mathematics in the Elementary School +</td>
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<td>RED 3310</td>
<td>Literacy Instruction for the Intermediate Learner +</td>
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<td>RED 4542C</td>
<td>Assessment and Differentiated Instruction in Reading +</td>
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<td>SCE 4310</td>
<td>Teaching Science in the Elementary School +</td>
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<td>SSE 4113</td>
<td>Social Studies for Elementary Teachers +</td>
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<td>TSL 4080</td>
<td>ESOL Principles and Practices +</td>
</tr>
<tr>
<td>TSL 4081</td>
<td>Teaching English to ESOL Students +</td>
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</table>

Students must choose one of the following student teaching options: 12

**Total Hours**

64

Courses included in the major GPA

**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

<table>
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<tr>
<td>EDF 1005</td>
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<td>EDF 2085</td>
<td>Teaching Diverse Populations</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Educational Technology</td>
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</table>

**Total Hours**

9
Elementary Education

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>Advisor Approved Elective</th>
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</thead>
<tbody>
<tr>
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</table>
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 Education 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 159)

<table>
<thead>
<tr>
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Mathematics (p. 159)

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<td>Principles of Economics Macro</td>
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Humanities (p. 159)

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<tr>
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<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 159)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

Group B
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives
(p. 159)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

ACG 2021 Principles of Financial Accounting
MAC 1105 College Algebra
MAC 1114 Trigonometry
MAC 1140 Precalculus Algebra
MAC 2311 Analytic Geometry and Calculus I
PHY 2053 General Physics I

* Indicates common prerequisites which can be used to satisfy General Education 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: 0-12

Recommended elective include:
- CGS 2570 Personal Computer Applications

Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 2272</td>
<td>Blueprint Reading *</td>
</tr>
<tr>
<td>BCN 2405</td>
<td>Statics and Strength of Materials *</td>
</tr>
<tr>
<td>BCN 2224</td>
<td>Construction Materials and Method +</td>
</tr>
<tr>
<td>BCN 3281C</td>
<td>Construction Survey and Building Layout *</td>
</tr>
<tr>
<td>BCN 3561</td>
<td>Construction Mechanics I *</td>
</tr>
<tr>
<td>BCN 3590</td>
<td>Sustainable Construction *</td>
</tr>
<tr>
<td>BCN 3731</td>
<td>Construction Safety +</td>
</tr>
<tr>
<td>BCN 3762</td>
<td>Building Codes +</td>
</tr>
<tr>
<td>BCN 3767</td>
<td>CDT Prep Course: Construction Documents +</td>
</tr>
<tr>
<td>BCN 4773</td>
<td>Construction Finance and Controls +</td>
</tr>
<tr>
<td>BCN 4258C</td>
<td>Building Information Modeling *</td>
</tr>
<tr>
<td>BCN 4431</td>
<td>Structures +</td>
</tr>
<tr>
<td>BCN 4461</td>
<td>Soils, Concrete, and Masonry *</td>
</tr>
<tr>
<td>BCN 4564</td>
<td>Construction Mechanics II +</td>
</tr>
<tr>
<td>BCN 4701</td>
<td>Construction Administration +</td>
</tr>
<tr>
<td>BCN 4720C</td>
<td>Scheduling +</td>
</tr>
<tr>
<td>BCN 4940</td>
<td>Construction Internship/Senior Project +</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Principles of Engineering Economy +</td>
</tr>
<tr>
<td>ETD 2320</td>
<td>Computer Aided Design +</td>
</tr>
<tr>
<td>ETI 3445</td>
<td>Construction Estimating +</td>
</tr>
</tbody>
</table>

Total Hours: 60

* Courses included in the major GPA

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:
Communication (p. 159)
- ENC 1101 English Composition I
- ENC 1102 English Composition II
### Mathematics (p. 159)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>MAC 1114</td>
<td>Trigonometry</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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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>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td></td>
<td></td>
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</table>

### Social Sciences (p. 159)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td>PHY 2054</td>
<td></td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td></td>
<td></td>
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</tbody>
</table>

### Humanities (p. 159)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
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<th></th>
<th>Group B</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>MUL 2101</td>
<td>Music Appreciation</td>
<td>PHY 2054</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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<td></td>
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</table>

### Natural Sciences (p. 159)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
<th>Group B</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<tr>
<td>BSC 2010</td>
<td>Biology I</td>
<td>PHY 1048</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
<td>PHY 1048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td></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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives (p. 159)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
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<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></td>
</tr>
<tr>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
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<td>MUB 2930</td>
<td>The Music Experience: Special Topics</td>
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<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
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### 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>
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<tbody>
<tr>
<td>EGN 3613</td>
<td>Principles of Engineering Economy</td>
<td>3</td>
</tr>
<tr>
<td>EME 4944</td>
<td>Internship/Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Hours

24

### Major

**Engineering Technology Core**

- EGN 3613 Principles of Engineering Economy
- EME 4944 Internship/Practicum
ETD 2320 Computer Aided Design 3

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>9</th>
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</table>

**Information Engineering Technology Specialization**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 3402</td>
<td>Information Technology Implementation Case Studies</td>
<td>3</td>
</tr>
<tr>
<td>EME 3406</td>
<td>Web Presence Deployment Strategies</td>
<td>4</td>
</tr>
<tr>
<td>EME 4454</td>
<td>Technology Systems Implementation Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EME 4622</td>
<td>Technology Systems Operations: Management Strategies</td>
<td>4</td>
</tr>
<tr>
<td>EME 4627</td>
<td>Technology Systems Operations: Architectures and Components</td>
<td>4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Hours</th>
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**Major-Related**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>COP 4710</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>Advisor approved elective</td>
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</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
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</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4300</td>
<td>Systems Planning, Design and Control</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following:</td>
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<tr>
<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
<td>3</td>
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<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>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Hours</th>
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</thead>
</table>

+ Courses included in the major GPA

**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>Total Hours</th>
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</table>

**Minors**

**Building Construction**

Construction Specialization majors may not earn this minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCN 3224</td>
<td>Construction Materials and Method</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3731</td>
<td>Construction Safety</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3762</td>
<td>Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>BCN 3767</td>
<td>CDT Prep Course: Construction Documents</td>
<td>3</td>
</tr>
<tr>
<td>BCN 4701</td>
<td>Construction Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Hours</th>
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</tr>
</thead>
</table>

**Certificates**

**Intelligence Analysis Certificate**

Department: Instructional, Workforce and Applied Technology

Method of Instruction: Online

Semester Hours: 12-15

This certificate will be used to enhance awareness of Cyber Security to our students and the community. This certificate is a complementary initiative to certificates proposed by the Department of Management and Management and Management Information Systems and Department of Computer Science.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 3003</td>
<td>Introduction to Intelligence Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EME 3002</td>
<td>Introduction to Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>EME 4474</td>
<td>Social Network Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EME 4001</td>
<td>Geospatial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035</td>
<td>Photo Interpretation and Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035L</td>
<td>Photo Interpretation and Remote Sensing Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Technology Systems Support Certificate**

Department: Instructional, Workforce and Applied Technology

Method of Instruction: Online

Semester Hours: 18

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</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 3402</td>
<td>Information Technology Implementation Case Studies</td>
<td>3</td>
</tr>
<tr>
<td>EME 3406</td>
<td>Web Presence Deployment Strategies</td>
<td>4</td>
</tr>
<tr>
<td>EME 4454</td>
<td>Technology Systems Implementation Strategies</td>
<td>3</td>
</tr>
<tr>
<td>EME 4622</td>
<td>Technology Systems Operations: Management Strategies</td>
<td>4</td>
</tr>
<tr>
<td>EME 4627</td>
<td>Technology Systems Operations: Architectures and Components</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>18</th>
</tr>
</thead>
</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 Education requirements and common prerequisites. A minimum grade of “C” is required in common prerequisites and major courses.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 163)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>
</tbody>
</table>

Mathematics (p. 163)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td></td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Social Sciences (p. 163)

Choose one course from Group A and one additional course from either Group A or Group B. 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthroprgy</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<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>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 163)

Choose one course from Group A and one Additional course from either Group A or Group B. 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>Group A</td>
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</tr>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
<tr>
<td>Group B</td>
<td></td>
</tr>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthroprgy</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
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<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>
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<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
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</table>
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
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<tbody>
<tr>
<td>ARH 1000</td>
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<td>Art Appreciation</td>
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<td>LIT 2000</td>
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<td>Introduction to Literature</td>
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<td>MUL 2010</td>
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<td>Music Appreciation</td>
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<td>PHI 2010</td>
<td></td>
<td>Introduction to Philosophy</td>
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<td>THE 2000</td>
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<td>The Theatre Experience</td>
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<table>
<thead>
<tr>
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<th>Course Code</th>
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<tbody>
<tr>
<td>AML 2072</td>
<td></td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>ARH 2050</td>
<td></td>
<td>Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>ARH 2051</td>
<td></td>
<td>Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>ART 1015C</td>
<td></td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td></td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>CRW 2001</td>
<td></td>
<td>Introduction to Creative Writing</td>
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<tr>
<td>IDH 1040</td>
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<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td></td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>PHI 2103</td>
<td></td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2603</td>
<td></td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td></td>
<td>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td></td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td></td>
<td>Basic Communication Skills</td>
</tr>
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Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AST 1002</td>
<td></td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td></td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td></td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td></td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td></td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td></td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td></td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td></td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td></td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td></td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td></td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td></td>
<td>General Physics I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td></td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td></td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td></td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td></td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td></td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td></td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td></td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td></td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td></td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td></td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td></td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td></td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td></td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td></td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td></td>
<td>General Physics II</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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 163) Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

Choose one of the following options: 6

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td></td>
<td>English Composition I</td>
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<tr>
<td>ENC 1102</td>
<td></td>
<td>English Composition II</td>
</tr>
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</table>

Option 2

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
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</tr>
<tr>
<td>BSC 1005</td>
<td></td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td></td>
<td>Anatomy and Physiology I</td>
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<td>BSC 2010</td>
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</tr>
<tr>
<td>CHM 1020</td>
<td></td>
<td>Concepts in Chemistry</td>
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<tr>
<td>CHM 2045</td>
<td></td>
<td>General Chemistry I</td>
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<td>ESC 2000</td>
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<td>PHY 1020</td>
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<tr>
<td>PHY 2048</td>
<td></td>
<td>University Physics I</td>
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<tr>
<td>PHY 2048C</td>
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<tr>
<td>PHY 2053</td>
<td></td>
<td>General Physics I</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td></td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td></td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td></td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>BSC 1086</td>
<td></td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>BSC 2011</td>
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<td></td>
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<td>CHM 1032</td>
<td></td>
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<tr>
<td>GEO 1200</td>
<td></td>
<td>Physical Geography</td>
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<tr>
<td>GLY 2010</td>
<td></td>
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<td></td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td></td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td></td>
<td>General Physics II</td>
</tr>
</tbody>
</table>

* Indicates common prerequisites which can be used to satisfy General Education requirements.
Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 60 s.h 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>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>LIN 3673</td>
<td>Grammar for Professional Success</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3350</td>
<td>Advanced Writing Studio</td>
<td>1</td>
</tr>
<tr>
<td>ENG 4013</td>
<td>Introduction to Literary Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4934</td>
<td>Capstone Experience (*)</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

- AML 2010 American Literature I
- ENL 2010 History of English Language I

Choose one of the following:

- AML 2020 American Literature II
- ENL 2020 History of English Literature II

Choose one of the following:

- ENG 4060 HISTORY OF THE ENGLISH LANGUAGE
- ENL 4203 Old English Language
- ENL 4210 Topics in Medieval Literature
- ENL 4224 Topics in Early Modern Literature
- ENL 4341 Milton
- ENL 4311 Chaucer
- ENL 4333 Shakespeare

Choose one of the following:

- ENL 4240 Topics in Romantic Literature
- ENL 4243 Topics in Eighteenth-Century British Literature
- ENL 4251 Topics in Victorian Literature
- ENL 4284 Topics in 20th-Century and Contemporary British Literature
- ENL 4303 Single Author Seminar, British Literature, 1700 to the Present

Choose one of the following:

- AML 4014 Topics in Early American Literature
- AML 4015 Topics in Nineteenth-Century American Literature
- AML 4054 Topics in Twentieth-Century and Contemporary American Literature
- AML 4302 Single Author Seminar, American Literature, 1700 to the Present

Choose one of the following:

- AML 3604 African American Literature
- AML 3624 Black Women Writers
- LIT 3191 World Literature
- ENG 3843 Theories of Sexuality and Gender
- LIT 3233 Postcolonial Literature
- LIT 4385 Feminist Theory
- AML 4640 Topics in Native American Literature

Total Hours 43

English Writing Specialization

The 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>LIN 3673</td>
<td>Grammar for Professional Success</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3350</td>
<td>Advanced Writing Studio</td>
<td>1</td>
</tr>
<tr>
<td>ENG 4934</td>
<td>Capstone Experience (*)</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following:

- AML 2010 American Literature I
- ENL 2010 History of English Language I

Choose one of the following:

- AML 2020 American Literature II
- ENL 2020 History of English Literature II

Choose one of the following:

- ENL 4203 Old English Language
- ENL 4240 Topics in Medieval Literature
- ENL 4243 Topics in Early Modern Literature
- ENL 4341 Milton
- ENL 4311 Chaucer
- ENL 4333 Shakespeare
- ENL 4341 Milton

Choose one of the following:

- ENL 4234 Topics in Eighteenth-Century British Literature
- ENL 4240 Topics in Romantic Literature
- ENL 4251 Topics in Victorian Literature
- ENL 4284 Topics in 20th-Century and Contemporary British Literature
- ENL 4303 Single Author Seminar, British Literature, 1700 to the Present

Choose one of the following:

- AML 4014 Topics in Early American Literature
- AML 4015 Topics in Nineteenth-Century American Literature

Total Hours 38

* 12 s.h in the field not previously completed consisting of 3000/4000 level courses with AML, CRW, ENC, ENG, ENL, LAE, LIN, or LIT prefixes +

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: AML, CRW, ENC, ENG, ENL, LAE, LIN, & LIT.

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 17
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4054</td>
<td>Topics in Twentieth-Century and Contemporary American Literature</td>
</tr>
<tr>
<td>AML 4302</td>
<td>Single Author Seminar, American Literature, 1700 to the Present</td>
</tr>
<tr>
<td></td>
<td>Choose one of the following: 3</td>
</tr>
<tr>
<td></td>
<td>AML 3604 African American Literature</td>
</tr>
<tr>
<td></td>
<td>AML 3624 Black Women Writers</td>
</tr>
<tr>
<td></td>
<td>ENG 3843 Theories of Sexuality and Gender</td>
</tr>
<tr>
<td></td>
<td>LIT 3191 World Literature</td>
</tr>
<tr>
<td></td>
<td>LIT 3233 Postcolonial Literature</td>
</tr>
<tr>
<td></td>
<td>LIT 4385 Feminist Theory</td>
</tr>
<tr>
<td></td>
<td>AML 4640 Topics in Native American Literature</td>
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<td>Choose three of the following: 9</td>
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<tr>
<td></td>
<td>CRW 3110 Fiction Writing</td>
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<tr>
<td></td>
<td>CRW 3310 Poetry Writing</td>
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<tr>
<td></td>
<td>CRW 3424 Playwriting</td>
</tr>
<tr>
<td></td>
<td>CRW 4211 Creative Non-Fiction</td>
</tr>
<tr>
<td></td>
<td>Specialization Electives 6</td>
</tr>
<tr>
<td></td>
<td>* Courses in the field not previously completed consisting of 3000/4000 level courses with AML, CRW, ENC, ENG, ENL, LAE, LIN, or LIT prefixes +</td>
</tr>
<tr>
<td></td>
<td>The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: AML, CRW, ENC, ENL LAE, LIN and LIT.</td>
</tr>
</tbody>
</table>

**Major-Related**

**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. 17

**Minors**

**English**

To earn a Minor in English, students must complete at least 16 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 Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 3010</td>
<td>Critical Methods for Literary Study 3</td>
</tr>
<tr>
<td>ENC 3350</td>
<td>Advanced Writing Studio 1</td>
</tr>
<tr>
<td>ENG 4013</td>
<td>Introduction to Literary Theory 3</td>
</tr>
<tr>
<td>ENL 4333</td>
<td>Shakespeare 3</td>
</tr>
<tr>
<td>3000/4000 level English Literature (ENL) course 3</td>
<td></td>
</tr>
<tr>
<td>3000/4000 level American Literature (AML) course 3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

**Certificates**

**Public, Technical, and Workplace Writing Certificate**

In the Public, Technical, and Workplace Writing Certificate Program, students gain an intensive experience in communication for professional success. The certificate will provide an opportunity for students from across the University to gain fundamental knowledge regarding 21st century skills in the production of public, technical, and digital texts. Students will write and analyze a range of genres from workplace, public, and technical environments. Students will also finish the program with a portfolio of work that they can deliver to prospective employers. Employers in a variety of settings look for students with strong writing skills applicable for the professional environment. This certificate will give our students the background in writing needed to be competitive in today’s workplace.

**Prerequisites:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>
<tr>
<td><strong>Foundation courses:</strong> 9</td>
<td></td>
</tr>
<tr>
<td>ENC 2412</td>
<td>Writing in the Digital Age</td>
</tr>
<tr>
<td>ENC 3213</td>
<td>Professional and Technical Writing</td>
</tr>
<tr>
<td>ENC 4940</td>
<td>Writing and Editing Internship</td>
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<td><strong>Electives:</strong> 3</td>
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<tr>
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<tr>
<td><strong>Total Hours</strong></td>
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</table>
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.

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.

Environmental Core

<table>
<thead>
<tr>
<th>CONTENT</th>
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<tr>
<td>GEO 3250-1L Weather and Climate (+Lab) +</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3260-1L Geography of Soils (+Lab) +</td>
<td>4</td>
</tr>
<tr>
<td>GEO 4280-1L Basic Hydrology (+Lab) +</td>
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</tr>
<tr>
<td>GEO 4376-1L Landscape Ecology (+Lab) +</td>
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<td>TECHNIQUES AND SKILLS</td>
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<tr>
<td>EVR 3894 Environmental Writing +</td>
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<td>GEO 4164 Geostatistics +</td>
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<td>GIS 3015-1L Cartographic Skills (+Lab) +</td>
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<td>GIS 4943-1L Geographic Information Systems (+Lab) +</td>
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<tr>
<td>EVR 4970 Research in Earth and Environmental Sciences +</td>
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</table>

Total Hours 34

Courses included in the major GPA

Accelerated Bachelors (B.S.)/Masters (M.S.) in Environmental Science (ABM-EVR) Option Minimum Requirements for admission include:

- Overall undergraduate GPA of 3.25 or better
- Undergraduate Major GPA of 3.5 or better
- Completion of all Bachelor of Science in Environmental Science Environmental Core requirements
- A grade of B (3.0) or higher in each Bachelor of Science in Environmental Science Environmental Core course
- Two letters of recommendation

Process:

A prospective student who meets the minimum requirements for admission for the ABM-EVR program must schedule a meeting with his/her undergraduate faculty advisor and graduate coordinator to discuss and develop a degree plan for his/her ABM-EVR program. The student must then submit an ABM-EVR program application and two letters 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 ABM-EVR 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 ABM-EVR program. For admission into the ABM-EVR program in the summer semester, application materials must be submitted by March 15. For admission into the ABM-EVR program in the fall semester, application materials must be submitted by June 15. For admission into the ABM-EVR program in the spring semester, application materials must be submitted by October 15. Admission into the ABM-EVR program does not guarantee admission into the Master’s in Environmental Science program upon completion of the Bachelor’s in Environmental Science. Students must still take the GRE and submit an Express Admission application for the Master’s in Environmental Science program. Students who are a part of the ABM-EVR program cannot be provisionally or conditionally admitted into the Master’s in Environmental Science program.

Program Requirements

Upon admission into the Master’s in Environmental Science program, the 12 graduate credit hours completed as an undergraduate student will count for 12 semester hours of coursework for the master’s program. Students in the ABM-EVR 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 master’s degree.

Students accepted into the master’s program must complete all requirements within 18 months of completing the bachelor’s degree in the non-thesis track (24 months if in the thesis track). If the requirements are not completed within 18 months (24 months for the thesis track); the student is no longer eligible to apply the graduate credit hours toward both degrees (i.e., the student can only apply the graduate credit hours either toward completion of the bachelor’s or toward a future master’s degree) and is automatically terminated from the ABM-EVR program.
If a student in the ABM-EVR program completes the bachelor’s 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 bachelor’s degree or toward a future master’s degree) and is automatically terminated from the ABM-EVR program.

A student who becomes ineligible to continue participating in or withdraws from the Accelerated ABM-EVR program cannot apply any graduate credit hours toward both degrees.

A student who becomes ineligible to continue participating in or withdraws from the ABM-EVR program cannot apply any graduate credit hours toward both degrees.

Students who are enrolled in the ABM-EVR program are eligible for graduate assistantship positions only after completing the bachelor’s degree.

**Undergraduate degree program**

**General Education**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

**General Education Curriculum:**

**Communication (p. 167)**

<table>
<thead>
<tr>
<th>Course</th>
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**Mathematics (p. 167)**

Choose one course from Group A and one additional course from either Group A or Group B

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<th>Group A</th>
<th>Course</th>
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**Social Sciences (p. 167)**

Choose one course from Group A and one additional course from either Group A or Group B

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<thead>
<tr>
<th>Group B</th>
<th>Course</th>
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<td>CCJ 2002</td>
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**Humanities (p. 167)**

Choose one course from Group A and one additional course from either Group A or Group B

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<td>THE 2000</td>
<td>The Theatre Experience</td>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td></td>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
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<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 101C</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></td>
<td>CRW 2001</td>
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<td>The Music Experience: Special Topics</td>
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<td></td>
<td>PHI 2103</td>
<td>Critical Thinking</td>
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<td>Ethics in Contemporary Society</td>
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<td></td>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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</tbody>
</table>

**Natural Sciences (p. 167)**
Common Prerequisites

Note: These common prerequisites are identical to the common prerequisites for the Environmental Science BS.

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

GROUP A

- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

GROUP B

- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanoa graphy and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 167)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences.
Environmental Management Specialization

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 167)

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<thead>
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<th>Course</th>
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Mathematics (p. 167)

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Group B

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Social Sciences (p. 167)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

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Humanities (p. 167)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
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<tbody>
<tr>
<td>ARH 1000</td>
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Group B

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<td>Survey of Dramatic Literature</td>
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<td>SPC 2608</td>
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</table>

Natural Sciences (p. 167)
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
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<td>CHM 2045-L</td>
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<td>General Physics I</td>
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<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVS 1001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
</tbody>
</table>

** Upper Division Electives **

Students 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 Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVR 4412</td>
<td>Environmental Aspects of Urban Growth</td>
</tr>
<tr>
<td>EVR 4870</td>
<td>Urban Planning</td>
</tr>
<tr>
<td>GEO 4801</td>
<td>Global Agricultural Sustainability</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Public Administration in American Society</td>
</tr>
<tr>
<td>PUP 4004</td>
<td>Public Policy</td>
</tr>
</tbody>
</table>

** General Education Electives **

(p. 167)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Environmental Management specialization Environmental Science majors should take the following to satisfy perspectives of General Education:

- 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
  - ECO 2013 Principles of Economics Macro
  - INR 2002 International Politics
  - POS 2041 American Politics

<table>
<thead>
<tr>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Hours</th>
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</thead>
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<thead>
<tr>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>59-60</td>
</tr>
</tbody>
</table>

+ Courses included in the major GPA
No more than 24% of the program requirements for this degree may be in traditional business subjects.

**Natural Science Specialization**

**General Education**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

**General Education Curriculum:**

**Communication (p. 167)**

<table>
<thead>
<tr>
<th>Course</th>
<th>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 (p. 167)**

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

**Group A**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

**Group B**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

**Social Sciences (p. 167)**

**Humanities (p. 167)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

**Group A**

<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>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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

**Natural Sciences (p. 167)**
Choose one course from Group A and one additional course from either Group A or Group B.

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry *
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics *
- PHY 2048 University Physics I **
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I **

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology *
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry *
- CHM 2046 General Chemistry II *
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology *
- MCB 1000 Fundamentals of Microbiology *
- PHY 2049 University Physics II **
- PHY 2054 General Physics II **

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives**
(p. 167)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**Natural Science specialization** Environmental Science majors should take the following to satisfy perspectives of General Education:

- 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
  - ECO 3013 Principles of Economics Macro
  - INR 2002 International Politics
  - POS 2041 American Politics

Common Prerequisites

- BOT 2010+L General Botany (+Lab) *
- CHM 2045+L General Chemistry I (+Lab) *
- CHM 2046+L General Chemistry II (+Lab) *
- GLY 2010+L Physical Geology (+Lab) *

or
- ESC 2000+L Introduction to Earth Science (+Lab)

MAC 2311 Analytic Geometry and Calculus I *
PHY 2048+L University Physics I (+Lab) *
STA 2023 Elements of Statistics

Total Hours 27

* Indicates common prerequisites which can be used to satisfy General Education 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 (1000-4999) to meet this elective requirement.

Total Hours 0-10

**Environmental Core**
See Program Requirements

**Major (57-60 sh)**

Environmental Science Core
- CHM 3120-L Analytical Chemistry (+Lab)
- GEO 4251 Advanced Climatology and Climate Change *
- PCB 4043-L Ecology (+Lab)

Choose one:
- EVS 4192C Environmental Soil Science *
- GRY 3031C Environmental Geology *

Choose one:
- EVR 4023 Coastal and Marine Environments *
- GEO 4221+L Coastal Morphology and Processes (+Lab) *

Choose one:
- CHM 4930 Seminar: Special Topics in Advanced Chemistry (Environmental Chemistry)
- GLY 4240 Geochemistry *
- GLY 4244 Biogeochemistry *

Choose one:
- GIS 4035+L Photo Interpretation and Remote Sensing (+Lab) *
- GIS 4036 Applications in Remote Sensing *
- GIS 4048 Applications in Geographic Information Systems *
- GIS 4071 Methods and Techniques in Environmental Resource Management and Planning *

Total Hours 57-60

+ Courses included in the major GPA

**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 0-3

**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.

- EVR 2001 Introduction to Environmental Science
- GEO 3372 Conservation of Natural Resources

Choose one:
- GEO 1200+L Physical Geography (+Lab)
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 prerequisites) 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>3</td>
</tr>
<tr>
<td>GCS 2570</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

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 Science
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.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 3015+L</td>
<td>Cartographic Skills (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>or GIS 4006</td>
<td>Computer Cartography</td>
<td></td>
</tr>
<tr>
<td>GIS 3015</td>
<td>Cartographic Skills</td>
<td>1</td>
</tr>
<tr>
<td>or GIS 4006L</td>
<td>Computer Cartography Lab</td>
<td></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>GIS 4104</td>
<td>GIS Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose from the following (3hr):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 4048</td>
<td>Applications in Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4260</td>
<td>GIS Applications for Archaeology (Offered only with Online GIS Certificate Program)</td>
<td></td>
</tr>
</tbody>
</table>

Choose from the following (3hr):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 4930</td>
<td>Special Topics in Geographic Information Science</td>
<td>3</td>
</tr>
<tr>
<td>GIS 5938</td>
<td>Special Topics in GIS for Archaeology</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose from the following (3 sh):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 4905</td>
<td>Directed Study (1-3sh)</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4944</td>
<td>GIS Internship (1-3 sh)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 25

Geographic Information Science - Archaeology 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. The archaeology program utilizes ArcGIS to create, visualize, query, and model archaeological, historical and anthropological data. Additionally, the program is designed to reinforce best practices for collecting spatially-related data on archaeological projects while recognizing the ethical issues associated with the management of sensitive data. Required courses and GIS internship have been carefully combined to reflect the real-world requirements needed for those interested in using GIS in the fields of archaeology and anthropology. This program is offered completely online as part of the Online GIS Certificate (http://uwf.edu/gisonline/CourseOptions/GISCertificate.cfm) program.

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.

- 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

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.

Course Requirements

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.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 4006</td>
<td>Computer Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4006L</td>
<td>Computer Cartography Lab</td>
<td>1</td>
</tr>
<tr>
<td>GIS 4043+L</td>
<td>Geographic Information Systems (+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 4102</td>
<td>GIS Programming</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4938</td>
<td>Special Topics in GIS for Archaeology</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 4944</td>
<td>GIS Internship</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4905</td>
<td>Directed Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 24

Geospatial Computing Certificate

Department: Environmental Science
Semester Hours: 22

The Certificate in Geospatial Computing combines foundation computer programming, database and web programming concepts with the specialized study of geographic information systems. This program is designed to address the need for customized GIS desktop and web-based applications related to business, geospatial intelligence, education, healthcare, and numerous other employment fields.

As part of the coursework, students will be provided with the opportunity to become technically proficient in a variety of geospatial technologies and applications through hands-on instruction. The program focuses on Geographic Information Science, data mining, programming, database concepts, computational modeling, automation, and implementation of customized GIS applications. The proposed courses have been carefully combined to reflect the real-world requirements needed for careers in the geospatial sciences. With 100 percent of the coursework offered online, this program is designed to meet the needs of recent graduates looking to enter the workforce and those working professionals who did not acquire a computational GIS background as part of their primary academic training while they continue to hold their position in their chosen field.
## Program Requirements

In addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of "C-" or better in each course, and secure a combined grade point average of 2.5 or higher for the courses required by the certificate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 4043+L</td>
<td>Geographic Information Systems (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4048</td>
<td>Applications in Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4930</td>
<td>Special Topics in Geographic Information Science</td>
<td>3</td>
</tr>
<tr>
<td>Choose one of the following</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COP 2253</td>
<td>Programming Using Java</td>
<td></td>
</tr>
<tr>
<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
<td></td>
</tr>
<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>Select one of the following</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COP 3813</td>
<td>Server-Side Programming (Internet Programming)</td>
<td></td>
</tr>
<tr>
<td>CAP 4770</td>
<td>Data Mining</td>
<td></td>
</tr>
<tr>
<td>CNT 4007C</td>
<td>Theory and Fundamentals of Networks</td>
<td></td>
</tr>
<tr>
<td>Select one of the following</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GIS 4944</td>
<td>GIS Internship</td>
<td></td>
</tr>
<tr>
<td>GIS 4102</td>
<td>GIS Programming</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours** 22
Exceptional Student Education

The B.A. degree program in Exceptional Student Education is designed to prepare students who plan to teach children and youth with exceptionalities. The Exceptional Student and Elementary Certification Specialization is a Florida Department of Education (FDOE) approved specialization that leads directly to FDOE certification in Exceptional Student Education (K-12) and Elementary Education (K-6) with ESOL and Reading Endorsements.

Students interested in teaching at the elementary level without certification for exceptional student education should review the Elementary Education Major section of this catalog (http://catalog.uwf.edu/undergraduate/elementaryeducation).

Students interested in teaching at the middle or secondary level will complete their baccalaureate degrees in the discipline and are encouraged to earn the Professional Education Minor. The Professional Education Minor is designed for content majors to complete the requirements for a temporary middle or secondary certification in Florida. Coursework meets the requirement of the Professional Training Option (PTO) and is consistent with the program requirements of Florida Department of Education. For additional information review the Professional Education Minor section of this catalog (http://catalog.uwf.edu/undergraduate/professionaleducation).

Responsibility for the teacher education programs at The University rests with the Dean of the College of Education and 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 Chair or an advisor in the Department of Teacher Education and Education Leadership (TEEL) 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 are fully admitted to the Teacher Education program. While in the pending status, students may not take 3000/4000 level education coursework, but should work closely with their advisor to plan an appropriate course of study in preparation for application to the program.

To be admitted, students must meet the following requirements:

- A cumulative GPA of 2.50 in all previously attempted college work;
- A passing score on the General Knowledge Test of the Florida Teacher Certification Exam;

The admission process requires students to complete the Application for Admission to Teacher Education (which includes a self-rating scale of their disposition towards teaching) and complete the orientation requirement.

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 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 Education Professional Studies.

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 Department of Teacher Education and Education Leadership, 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 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);
- Passing results on the general knowledge, professional, and subject area tests of the Florida Teacher Certification Examination;
- Recommendation of the student’s academic advisor and approval of the Chair of the Department of Teacher Education and Education Leadership

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 Chair of the Department of Teacher Education and Education Leadership.

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 177)

<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>
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</table>

Mathematics (p. 177)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
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</tr>
<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
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</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114 Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAC 1140 Precalculus Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
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</tbody>
</table>

Social Sciences (p. 177)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>AMH 2020 United States since 1877</td>
<td></td>
</tr>
<tr>
<td>ANT 2000 Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ECO 2013 Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American Politics</td>
<td></td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td></td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
<td></td>
</tr>
<tr>
<td>ANT 3000 Current Cultural Issues</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>CPO 2002 Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>DEP 2004 Human Development Across the Lifespan</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>
<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>SOW 2192 Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010 Current Social Problems</td>
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</tbody>
</table>

Humanities (p. 177)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
<td></td>
</tr>
<tr>
<td>LIT 2000 Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 2010 Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</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>
<td></td>
</tr>
<tr>
<td>ART 1015C Exploring Artistic Vision</td>
<td></td>
</tr>
<tr>
<td>ART 2821 Art and Visual Culture Today</td>
<td></td>
</tr>
<tr>
<td>CRW 2001 Introduction to Creative Writing</td>
<td></td>
</tr>
<tr>
<td>IDH 1040 Honors Core 1</td>
<td></td>
</tr>
<tr>
<td>MUH 2930 The Music Experience: Special Topics</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 World Religions</td>
<td></td>
</tr>
<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
<td></td>
</tr>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

Natural Sciences (p. 177)
Courses may be used to meet this requirement. Any course identified 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 requirement.

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. Any course identified as meeting UWF’s Multicultural Requirement will fulfill this 6 sh requirement.

**Lower Division Advisor-Approved Electives**

Students must complete sufficient 1000/2000 level advisor-approved electives to satisfy at least 60 sh in the lower division. Current UWF students may substitute courses at other levels (3000-4000) with permission.

**Total Hours** 15

The Exceptional Student Certification program is a Florida DOE approved program that leads directly to certification in Exceptional Student Education (K-12) and Elementary Education (K-6) with ESOL and Reading Endorsements and is part of the CAEP accredited Professional Education Unit. Graduates of the Exceptional Student Certification program 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. Students must be admitted into Teacher Education in order to enroll in 3000/4000 level education coursework.

**Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</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>EDF 3945</td>
<td>Field Experience 1</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4373</td>
<td>Elementary and Special Education Integrated Arts</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4345</td>
<td>Educational Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4413</td>
<td>Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4949</td>
<td>Field Experience 2</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 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 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>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>
<td>3</td>
</tr>
<tr>
<td>TSL 4089</td>
<td>ESOL Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4081</td>
<td>Teaching English to ESOL Students</td>
<td>3</td>
</tr>
</tbody>
</table>

Student Teaching (choose one of the following options): 12

**Option 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4936</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4940</td>
<td>Student Teaching</td>
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**Option 2**

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>EDG 4936</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4941</td>
<td>Teaching Internship I</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4942</td>
<td>Teaching Internship II</td>
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</tr>
</tbody>
</table>

**Total Hours** 72

+ Courses included in the major GPA
Finance

The B.S.B.A. in Finance is an included program in the University's accreditation by AACSB International.

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 Education requirements and common prerequisites.

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

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Education Curriculum:

Communication (p. 180)

<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>
</tbody>
</table>

Mathematics (p. 180)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>MAC 1114</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>MAC 1140</td>
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<td>MGF 1106</td>
<td>MAC 2233</td>
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<tr>
<td>MGF 1107</td>
<td>MAC 2312</td>
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<tr>
<td>STA 2023</td>
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</table>

Social Sciences (p. 180)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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<tbody>
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<td>AMH 2010</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>ANT 2100</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>CCJ 2002</td>
</tr>
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<td>CPO 2002</td>
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<td>PSY 2012</td>
<td>DEP 2004</td>
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<td>SYG 2000</td>
<td>EUH 1000</td>
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<td>FIN 2104</td>
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<td>GEB 1011</td>
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<td>IDH 1040</td>
</tr>
<tr>
<td></td>
<td>INR 2002</td>
</tr>
<tr>
<td></td>
<td>MMC 2000</td>
</tr>
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<td></td>
<td>PLA 2013</td>
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<td></td>
<td>SOW 2192</td>
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Humanities (p. 180)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>AML 2072</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>ARH 2050</td>
</tr>
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<td>MUL 2010</td>
<td>ARH 2051</td>
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<td>PHI 2010</td>
<td>ART 1025</td>
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<td>THE 2000</td>
<td>ART 2821</td>
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<td>CRW 2001</td>
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<td>REL 1300</td>
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<td>THE 2300</td>
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Natural Sciences (p. 180)
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
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</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<tr>
<td>BSC 2010</td>
<td>Biology I</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I **</td>
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<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio **</td>
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<td>General Physics I **</td>
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<table>
<thead>
<tr>
<th>Group B</th>
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<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<tr>
<td>BOT 2010</td>
<td>General Botany</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry *</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II *</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology *</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II **</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II **</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 180)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Finance majors should take the following courses to satisfy components of the General Education curriculum courses:

<table>
<thead>
<tr>
<th>Humanities</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GCG 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 Education requirements.

**Lower Division Electives**

Students must complete sufficient 1000/2000 level electives to satisfy at least 3-12 electives 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>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>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 30

**College of Business Undergraduate Transfer Credit Policy**

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida's Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

**Finance Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3244</td>
<td>Financial Markets and Institutions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3461</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or ACG 3180</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
or ACG 3101 *
FIN 4414  Financial Theory and Practice *  3
FIN 4424  Problems in Corporate Finance *  3
FIN 4504  Investments *  3
FIN 4514  Security Analysis and Portfolio Management *  3
3000/4000 level advisor-approved ACG/ECO/FIN/TAX elective *  3
3000/4000 level advisor-approved elective *  3
FIN 3140  only for degree plans 2011 or earlier *

Total Hours 24

* Courses included in the major GPA

**Upper Division Electives**

3000/4000 advisor-approved 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.

ACG 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.

FIN 3403  Managerial Finance  3
FIN 3244  Financial Markets and Institutions  3
FIN 4324  Commercial Bank Management  3

Total Hours 9

**Financial Institutions Certificate Level 2**

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.
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 are separate specialization programs for B.F.A. students studying Digital Art and Graphic Design.

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 Education 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Education Curriculum:

Communication (p. 183)

<table>
<thead>
<tr>
<th>Course</th>
<th>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 (p. 183)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 183)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group B

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 183)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

Group B

<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>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 2015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td>CRW 2801</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 183)
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002, Descriptive Astronomy
- BSC 1005, General Biology for Non-Majors
- BSC 1085, Anatomy and Physiology I
- BSC 2010, Biology I
- CHM 1020, Concepts in Chemistry
- CHM 2045, General Chemistry I
- ESC 2000, Introduction to Earth Science
- EVR 2001, Introduction to Environmental Science
- PHY 1020, Introduction to Concepts in Physics
- PHY 2048, University Physics I
- PHY 2048C, University Physics I - Studio
- PHY 2053, General Physics I

**Group B**
- ANT 2511, Biological Anthropology
- BOT 2010, General Botany
- BSC 1050, Fundamentals of Ecology
- BSC 1086, Anatomy and Physiology II
- BSC 2011, Biology II
- BSC 2311, Introduction to Oceanography and Marine Biology
- CGS 2060, Excursions in Computing
- CHM 1032, Fundamentals of General Chemistry
- CHM 2046, General Chemistry II
- CIS 2530, Introduction to Cyber Security
- GEO 1200, Physical Geography
- GLY 2010, Physical Geology
- MCB 1000, Fundamentals of Microbiology
- PHY 2049, University Physics II
- PHY 2054, General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 183)**
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

**Recommended for ARTXXXX:**
- ART 2500C, Painting I - Fundamentals
- ART 2701C, Fundamentals of Sculpture

**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.

**Art Specialization**

**Major**
- ARH 3590, Perspectives in Ancient and World Art
- ART 3213C, Advanced Ideas and Concepts
- ART 3312C, Drawing III: The Figure
- ART 4800, Portfolio
- Three 3000/4000 level art history (ARH) courses
- Four 3000/4000 level studio art (ART/PGY) courses
- Four 3000/4000 level studio art (ART/PGY) concentration courses
- Personal Directions Course in Area of Concentration

Choose one of the following:
- ARH 4450, Modern Art 1900-1950
- ARH 4470, Art After 1950
- If not completed at the lower division:
  - ART 2500C, Painting I - Fundamentals
  - ART 2602C, Introduction to Digital Studio Practice
  - ART 2701C, Fundamentals of Sculpture

**Total Hours:** 51-60

**Major-Related**
Choose one of the following:
- ANT 4651, Aesthetics & Critical Theory
- PHI 3800, Philosophy of Art
- ARH 4930, History of Art History Seminar

**Total Hours:** 3

* Number of hours range depends on the completion of recommended courses at the lower level.
+ Courses included in the major GPA

**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:** 2

**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.

**Recommended for ARTXXXX:**
- ART 2051, Western Survey II: Baroque to Contemporary
- ART 1300C, Drawing I - Fundamentals
- ART 2201C, Two-Dimensional Design

**Total Hours:** 3

* Indicates common prerequisites which can be used to satisfy General Education requirements.
ART 2203C  Three-Dimensional Design  3
ART 2602C  Introduction to Digital Studio Practice  3
GRA 2111C  Principles of Graphic Design  3
GRA 2208C  Typography  3

*ARH2051 is a common prerequisite which can also be used to satisfy General Studies requirements.

**Total Hours** 21

### 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 GRA2208C, GRA2111C, ART2602C.

### Major Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<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>
</tbody>
</table>

**Choose Two of the Following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2400C</td>
<td>General Printmaking</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Photography as Art Form: Basic Camera</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Painting I - Fundamentals</td>
</tr>
<tr>
<td>ART 2701C</td>
<td>Fundamentals of Sculpture</td>
</tr>
</tbody>
</table>

**Concentration in Digital Media and Graphic Design (Choose 9 courses from list below for 27 semester hours):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3618C</td>
<td>Introduction to Web-based Art +</td>
<td>3</td>
</tr>
<tr>
<td>ART 3630C</td>
<td>Artist's Video +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3102C</td>
<td>Graphic Design Studio I +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3112C</td>
<td>Graphic Design Studio II +</td>
<td>3</td>
</tr>
<tr>
<td>ART 4632C</td>
<td>Digital Design Studio Senior Project +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 490L</td>
<td>Internship in Graphic Design +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4950C</td>
<td>Graphic Design Portfolio +</td>
<td>3</td>
</tr>
<tr>
<td>ART 4619C</td>
<td>Advanced Digital Multimedia +</td>
<td>3</td>
</tr>
<tr>
<td>ART 4633C</td>
<td>Interactive Electronic Art +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4930C</td>
<td>Special Topics in Digital Media Design +</td>
<td>3</td>
</tr>
<tr>
<td>3000/4000</td>
<td>Studio art (ART/PGY) electives. +</td>
<td>6</td>
</tr>
<tr>
<td>3000/4000</td>
<td>Art history (ARH) electives and/or (FIL4036) +</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Hours** 27

* Courses included in the major GPA

### Major-Related Courses (6 hours)

Students will choose 2 courses from a supporting curriculum specific to student career goals, such as Computer Science or Communication Arts. Must be approved by BFA Faculty Advisor.

**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 students do not require additional 3000/4000 level courses, they may take 1000/2000 level courses.

**Total Hours** 0-9

### Graphic Design 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>Hours</th>
</tr>
</thead>
<tbody>
<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 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 2602C</td>
<td>Introduction to Digital Studio Practice</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2111C</td>
<td>Principles of Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>GRA 2208C</td>
<td>Typography</td>
<td>3</td>
</tr>
</tbody>
</table>

*ARH2051 is a common prerequisite which can also be used to satisfy General Studies requirements.

**Total Hours** 21

### Lower Division Electives (3 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 ART 2602C, GRA 2111C, and/or ART 2208C.

**Total Hours** 3

### Major Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1301C</td>
<td>Drawing II - Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>PGY 2801C</td>
<td>Digital Imaging</td>
<td>3</td>
</tr>
<tr>
<td>DIG 3309C</td>
<td>4D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARH 3724</td>
<td>History of Graphic Design *</td>
<td>3</td>
</tr>
<tr>
<td>ART 3213C</td>
<td>Advanced Ideas and Concepts +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3102C</td>
<td>Graphic Design Studio I *</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3112C</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>GRA 3196C</td>
<td>Contemporary Design Culture</td>
<td>3</td>
</tr>
<tr>
<td>ART 4632C</td>
<td>Digital Design Studio Senior Project +</td>
<td>6</td>
</tr>
<tr>
<td>GRA 4950C</td>
<td>Graphic Design Portfolio +</td>
<td>3</td>
</tr>
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</table>

**Choose Five of the Following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3312C</td>
<td>Drawing III: The Figure +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 3521C</td>
<td>Graphic Design for Interactive Applications</td>
<td>3</td>
</tr>
<tr>
<td>ART 3618C</td>
<td>Introduction to Web-based Art +</td>
<td>3</td>
</tr>
<tr>
<td>ART 3630C</td>
<td>Artist's Video +</td>
<td>3</td>
</tr>
<tr>
<td>ART 4619C</td>
<td>Advanced Video +</td>
<td>3</td>
</tr>
<tr>
<td>ART 4633C</td>
<td>Interactive Electronic Art +</td>
<td>3</td>
</tr>
<tr>
<td>GRA 4930C</td>
<td>Special Topics in Digital Media Design +</td>
<td>3</td>
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<tr>
<td>GRA 4940L</td>
<td>Internship in Graphic Design +</td>
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</tr>
<tr>
<td>GRA 3151C</td>
<td>Digital Illustration</td>
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</tr>
<tr>
<td>GRA 3139C</td>
<td>Motion Graphics</td>
<td>3</td>
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</tbody>
</table>

**Total Hours** 15

### Major-Related

Choose two major related courses from the course list below. Additon Art or Photography courses may be taken for this section pending adviser approval. *Note that some of these courses have prerequisites: *

**Advertising:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ADV 3000</td>
<td>Introduction to Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ADV 3101</td>
<td>Creative Strategy &amp; Tactics I +</td>
<td>3</td>
</tr>
<tr>
<td>ADV 4202</td>
<td>Creative Strategy &amp; Tactics II +</td>
<td>3</td>
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</table>

**Journalism:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>JOU 4213</td>
<td>Newspaper Design +</td>
<td>3</td>
</tr>
<tr>
<td>JOU 4445</td>
<td>Magazine Publishing +</td>
<td>3</td>
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</table>

**Computer Science:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COP 2830</td>
<td>Script Programming</td>
<td>3</td>
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<tr>
<td>COP 3813</td>
<td>Server-Side Programming +</td>
<td>3</td>
</tr>
<tr>
<td>CGS 3853</td>
<td>Web Page Design +</td>
<td>3</td>
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</table>

**Marketing:**

<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>
</tbody>
</table>
Courses included in the major GPA

**Upper -Division Elective**

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 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.
General Studies

The Bachelor of General Studies degree program provides interdisciplinary study across academic disciplines and professional fields. It is designed for nontraditional students whose age, residence, academic interests, or career objectives require a more individualized university degree. The Bachelor of General Studies degree program is designed to:

- meet the University of West Florida’s mission to provide students with access to high-quality, relevant, and affordable undergraduate learning experiences, and therefore better serve the general educational needs of region;
- provide students an opportunity to earn a bachelor’s degree while maintaining family, military, and/or employment obligations;
- offer a degree option including studies in several disciplinary areas;
- give students the option to complete courses at the Pensacola campus, Emerald Coast campus, and/or online; and
- provide students an opportunity to build upon the associate of arts degrees offered by other institutions.

Program Requirements

In addition to the University’s general requirements, students must complete a minimum of six (6) hours of upper-division “lead” courses from each cognate area (Communication, Information Literacy, Problem Solving/Decision Making, and Community Leadership) for a total of 24 hours of lead coursework. Students then choose one of the cognate areas in which to concentrate. This requires 24 credit hours from Communication, Information Literacy, Problem Solving/Decision Making, or Community Leadership. Students also have the option to complete a Generalist track in which they take six (6) hours of lead courses from each cognate area for a total of 24 credit hours and an additional 24 credit hours of advisor-approved upper-division electives from across the four areas. Students individualize their program when choosing their electives; they may be from one area or may be spread across multiple areas depending on their concentration.

General Studies students consult with their advisor and choose appropriate courses within each of the four proficiency areas. They do not have to be from the same department or even the same college. As with traditional majors, students will take a series of classes in the chosen area(s), including any prerequisites.

In the second to last or last semester, students must complete a three semester hour, upper-division Capstone course, which may be work- or community-related. This project serves as a culminating experience in the B.G.S. program and demonstrates the synthesis of academic contact with personal and professional goals. Students work with their instructor to submit a proposal, choose project requirements, and recommend changes when needed. A presentation of the project is required and options include the UWF Student Scholars Symposium, the Women’s and Gender Studies Conference, or other symposium/ conference of the student’s choice.

A minimum of 60 hours must be completed at a four-year college or university.

Students seeking the B.G.S. degree must maintain a UWF and cumulative GPA of at least 2.0.

No more than 24% of the program requirements for this degree may be in traditional business subjects.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 187)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</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>
</tr>
</tbody>
</table>

Mathematics (p. 187)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

- MAC 1105 College Algebra
- MAC 2311 Analytic Geometry and Calculus I
- MGF 1106 Mathematics for Liberal Arts I
- MGF 1107 Mathematics for Liberal Arts II
- STA 2023 Elements of Statistics

Group B

- MAC 1114 Trigonometry
- MAC 1140 Precalculus Algebra
- MAC 2233 Calculus with Business Applications
- MAC 2312 Analytic Geometry and Calculus II

Social Sciences (p. 187)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

- AMH 2020 United States since 1877
- ANT 2000 Introduction to Anthropology
- ECO 2013 Principles of Economics Macro
- POS 2041 American Politics
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology

Group B

- AMH 2010 United States to 1877
- ANT 2400 Current Cultural Issues
- ANT 2100 Introduction to Archaeology
- CJC 2002 Survey of Crime and Justice
- CPO 2002 Comparative Politics
- DEP 2004 Human Development Across the Lifespan
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II
- 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
- SOW 2192 Understanding Relationships in the 21st Century
- SYG 2010 Current Social Problems

Humanities (p. 187)
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 187)

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<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>PHY 2049</td>
<td>University Physics II</td>
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<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 187)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Consult with your academic advisor for courses which may satisfy both the General Education 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

*No common prerequisites required for the Bachelor of General Studies.

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.
## Lead Course Core

### Communication

Choose two of the following:

- ENC 3213 Professional and Technical Writing
- GEB 3213 Writing for Business: Theory and Practice
- LIN 3673 Grammar for Professional Success
- LIN 3742 Modern Grammar and Usage
- PHI 3400 Philosophy of Science
- PLA 3103 Legal Research and Writing
- SOW 3350 Interviewing and Recording
- SPC 3301 Interpersonal Communication

**Total Hours** 6

### Information Literacy

Choose two of the following:

- ANT 3212 Peoples and Cultures of the World
- CCJ 4700 Ethics and the Justice System
- ENG 3010 Critical Methods for Literary Study
- ENG 4013 Introduction to Literary Theory
- GEB 3032 Business Foundations for Non-Business Majors
- HIS 3002 Methods and Materials Colloquium
- LIT 4385 Feminist Theory
- MAN 3025 Management Fundamentals
- SOW 4403 Social Work Research Foundations

**Total Hours** 6

### Problem Solving / Decision Making

Choose two of the following:

- CCJ 3060 Ethics and the Justice System
- ISM 3011 e-Business Systems Fundamentals
- PHI 3130 Modern Logic
- PHI 3670 Ethics

**Total Hours** 6

### Community Leadership

Choose two of the following:

- EDG 4947 High-Impact Practice Seminar
- HIS 4072 Oral and Community History
- MAN 4280 Business Leadership and Change Management
- PHM 3200 Social and Political Philosophy
- SPM 3115 Organizational Management and Leadership in Sport
- SOW 3113 Human Behavior in Organizations and Communities

**Total Hours** 6

### Electives

Choose eight of the following not taken above:

#### Communication Track Electives

- ANT 4191C Archaeological Data Analysis
- ENC 3213 Professional and Technical Writing
- GEB 3213 Writing for Business: Theory and Practice
- LIN 3673 Grammar for Professional Success
- LIN 3742 Modern Grammar and Usage
- PLA 3103 Legal Research and Writing
- SOW 3350 Interviewing and Recording
- SPC 3301 Interpersonal Communication
- SPM 3403 Sport Media

Any AFH, AMH, ASH, EUH, HIS, or LAH 3000- or 4000-level course

*Other electives as approved by the advisor

#### Information Literacy Track Electives

- ACG 3082 Accounting for Non-Majors
- ANT 3212 Peoples and Cultures of the World
- ARH 4835C Museum and Gallery Studies
- CCJ 3014 Criminology
- CCJ 4700 Research Design in Criminal Justice
- ECO 3003 Principles of Economic Theory and Public Policy
- ENG 3010 Critical Methods for Literary Study
- ENG 4013 Introduction to Literary Theory
- FIN 4145 Portfolio Planning for Individual Investors
- GEB 3032 Business Foundations for Non-Business Majors
- HIS 3002 Methods and Materials Colloquium
- HIS 4081 Advanced Museology
- HIS 4086 Issues in Historic Preservation
- LIT 4385 Feminist Theory
- MAN 3025 Management Fundamentals
- MAN 3240 Behavior in Organizations
- PLA 3020 Law and Society
- PSY 3213 Research Methods in Psychological Science I
- SOW 4403 Social Work Research Foundations
- SPM 3004 Introduction to Contemporary Sport Management

*Other electives as approved by the advisor

#### Problem Solving/Decision Making Track Electives

- ANT 3101 Principles of Archaeology
- AMH 4575 Civil Rights
- CCJ 3060 Ethics and the Justice System
- CRW 3110 Fiction Writing
- ENL 4333 Shakespeare
- HSC 4300 Changing Health Behaviors
- HSC 4581 Health Promotion and Planning
- ISM 3011 e-Business Systems Fundamentals
- INR 3073 Analyzing Issues in International Politics
- LIT 3233 Postcolonial Literature
- MAN 3301 Human Resources Management
- MAN 3583 Project Management
- MAN 4102 Management of Diversity
- MAN 4441 Business Negotiation
- PHI 3130 Modern Logic
- PHI 3670 Ethics
- PLA 3429 Contracts and Business Entities
- POS 3033 Analyzing Issues in American Politics
- SOW 4232 Introductory Analysis of Social Service Policy
- SOW 4233 Human Diversity and Social Justice

*Other electives as approved by the advisor

#### Community Leadership Electives

- ANT 4808 Applied Anthropology
- COM 4120 Organizational Communication
- ECP 3301 Principles of Environmental Economics
- EDG 4947 High-Impact Practice Seminar
- HIS 4072 Oral and Community History
- HSC 3034 Current Issues in the Health Sciences
- HSC 4633 Current Issues in School-Community Health
- INP 3313 Organizational Behavior
- INP 4224 Psychology of Workforce Diversity
- MAN 4280 Business Leadership and Change Management
- PHM 3100 Greek Philosophy
- PHM 3200 Social and Political Philosophy
PLA 4263  Evidence  3
SOW 3313  Work With Individuals and Families  3
*Other electives as approved by the advisor

**Generalist Track Electives**
Choose any eight elective courses not completed as part of the lead core.  24

**Upper Division Electives**
Students 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 and the 3000/4000 level, whichever is greater.

Total Hours 9

**Capstone Course**
3 credit hours
Global Hospitality and Tourism: Service Management

The B.S. in Global Hospitality and Tourism: Service Management employs a global approach to education via world-wide experiential learning opportunities enabling graduates to serve a multinational clientele. Students will be prepared to fill the growing international demand for leadership positions in resorts, events, convention and visitors bureaus, sport facilities, food and beverage, travel and tourism, spas, airlines, hotels, amusement parks, casinos, cruise lines, private clubs, and more. The complex nature of this industry requires creative problem solving, technical knowledge, communication skills, and leadership.

Broad-based views of the service management, hospitality, and tourism disciplines are offered through a common core of courses that promote an understanding of the interrelationships among the global hospitality and tourism industries, based on the underlying concepts of predictive analytics and quality service management. This approach allows students to customize an emphasis and provides flexibility in career changes.

Program Requirements

In addition to the University’s general requirements, students seeking the B.S. in Global Hospitality and Tourism: Service Management must meet the requirements listed below.

A minimum course grade of “C” is required in all College of Business prerequisites and courses. Additionally, students must earn a 2.5 cumulative GPA in the major. No more than 24% of the program requirements for this degree may be in traditional business subjects. Students who wish to include extensive business coursework in their program should declare the B.S.B.A. in Global Hospitality and Tourism / Revenue Management and Predictive Analytics degree program (See Global Hospitality and Tourism, BSBA section (p. 195)). Students should consult their advisor regarding courses which may satisfy both the General Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 191)

<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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</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
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Mathematics (p. 191)

<table>
<thead>
<tr>
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<tr>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td></td>
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<td>Mathematics for Liberal Arts II</td>
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<td>STA 2023</td>
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Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>MAC 1104</td>
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<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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Social Sciences (p. 191)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ANT 2000</td>
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Group B

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<tr>
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<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<td>ANT 2100</td>
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<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td>EUH 1000</td>
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<td>EUH 1001</td>
<td>Western Perspectives II</td>
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<tr>
<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>GEB 1011</td>
<td>Introduction to Business</td>
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<td>IDH 1041</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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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities (p. 191)

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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 Group A and one additional course from either Group A or Group B.

**Group A**
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

**Group B**
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

**Natural Sciences (p. 191)**

Choose one course from Group A and one additional course from either Group A or Group B.

**Group A**
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

**Group B**
- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 191)**
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences.

**B.S. Global Hospitality and Tourism: Service Management majors** should take the following courses to satisfy components of the General Education curriculum:

**Mathematics**
- MAC 2233: Calculus with Business Applications
- STA 2023: Elements of Statistics

**Social Sciences**
- 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- HFT 2000: Introduction to the Hospitality Industry
ACG 2071 Principles of Managerial Accounting 3
ECO 2013 Principles of Economics Macro* 3
ECO 2023 Principles of Economics Micro* 3

Total Hours: 15

*Indicates common prerequisites which can be used to satisfy General Education 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 electives at any level (1000-4000) to meet this elective requirement.

Total Hours: 9

College of Business Undergraduate Transfer Credit Policy

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida’s Common Numbering System.

The College of Business will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF business-related courses from institutions not accredited by AACSB. Although, the Bachelor of Science degree in Global Hospitality and Tourism Management does not fall under the AACSB accreditation, this policy still applies to transfer courses.

Students should seek guidance from their College of Business academic advisors on these matters.

Global Hospitality and Tourism Management Core

HFT 3053 Travel and Tourism Management + 3
HFT 3214 Hospitality Safety, Sanitation and Risk Management + 3
HFT 3221 Human Resources in the Hospitality Industry + 3
HFT 3414 Managing Front Office Operations + 3
HFT 3814C Management of Food and Beverage Operations + 3
HFT 4277 Resort Operations and Management + 3
HFT 4295 Strategic Leadership in Hospitality Management + 3
HFT 4426 Hospitality Financial Analysis & Revenue Optimization + 3
HFT 4503 Service Experience Marketing for Hospitality Management + 3
HFT 4940 Internship in Hospitality Management + 1-3

Total Hours: 28-30

Other Required Hospitality Course:

HFT 4343 Planning and Design for the Hospitality Industry + 3

Total Hours: 3

Choose an Emphasis (15 sh total)

Event and Sport Management

Choose five courses:

HFT 4753 Special Event Management +
LEI 4321 Sport, Adventure and Ecotourism +
LEI 4332 Community Tourism Development +
LEI 4350 Outdoor Leisure +
SPM 3004 Introduction to Contemporary Sport Management +
SPM 3104 Sport Facility and Event Management +
SPM 3006 Sports Marketing +
SPM 3403 Sport Media +

Total Hours: 15

Resort Management

Choose five courses:

BUL 3130 Legal Environment of Business +
HFT 3271 Spa Management +
HFT 3333 Contemporary Club Management +
HFT 4274 Condominium and Vacation Interval Ownership +
HFT 4753 Special Event Management +
LEI 4332 Community Tourism Development +
MAN 3504 Operations Management +
MAN 4441 Business Negotiation +

Total Hours: 15

Walt Disney World Experiential Learning Program

HFT 3902 The Disney Semester: Experiential Learning in the Hospitality Industry +

Choose from the following Disney courses (offered only on-site with Disney):

Disney Corporate Analysis
Disney Advanced Studies in Hospitality Management
Disney Organizational Leadership
Disney Corporate Communications
Disney Human Resource Management
Disney Interactive Learning
Disney Creativity and Innovation
Disney Experiential Learning

3000-4000 level advisor approved HFT or LEI elective(s) + 3

* Students interested in the Disney Experiential Learning program should contact our advisor at (850) 474-2774

Total Hours: 15

Major-Related Courses

GEB 3213 Writing for Business: Theory and Practice + 3
MAN 3025 Management Fundamentals + 3
MAN 3240 Behavior in Organizations + 3
MAR 3023 Marketing Fundamentals + 3

Total Hours: 12

+ Courses included in the major GPA

Two Plus Two Program: Bachelor of Science Degree in Global Hospitality and Tourism: Service Management with an emphasis in Culinary Management

Only offered in conjunction with Pensacola State College or Gulf Coast State College.

Note: The University of West Florida does not offer a culinary degree.

Students transferring with an Associate of Science in Culinary Management from either Pensacola State College or Gulf Coast State College have the ability to transfer to The University of West Florida and earn a Bachelor of Science in Global Hospitality and Tourism: Service Management with an emphasis in Culinary Management. Students will be required to take the 45 hours associated with the Global Hospitality and Tourism (GHT) common core, other required hospitality course and major-related courses. An additional 18 hours in general education courses are required to complete the bachelor degree. Please contact our advisor at (850) 474#2774 for proper sequencing of courses.

30 hours GHT common core courses +

Total Hours: 27
Two Plus Two Program: Bachelor of Science Degree in Global Hospitality and Tourism: Service Management with an emphasis in Hospitality and Tourism Management

Students transferring with an Associate of Science in Hospitality and Tourism Management from either Pensacola State College or Gulf Coast State College have the ability to transfer to The University of West Florida and earn a Bachelor of Science in Global Hospitality and Tourism Management. Students will be required to take the 45 hours associated with the Global Hospitality and Tourism (GHT) common core, other required hospitality course and major-related courses. An additional 18 hours in general education courses are required to complete the bachelor degree. Please contact our advisor at (850) 474-2774 for proper sequencing of courses.

Minors

Global Hospitality and Tourism Management

The Minor in Global Hospitality and Tourism Management exposes students to the courses that serve as a foundation for a management career in the hospitality and tourism industry. A grade of "C" or better is required on all minor courses. A minor in this area is comprised of 18sh and is ideal for students who want to apply their major discipline within hospitality or tourism venues. This minor is not available to Global Hospitality and Tourism: Service Management or Global Hospitality and Tourism: Revenue Management and Predictive Analytics majors.
Global Hospitality and Tourism: Revenue Management and Predictive Analytics

The B.S.B.A. in Global Hospitality and Tourism: Revenue Management and Predictive Analytics employs a global approach to education via world-wide experiential learning opportunities enabling graduates to serve a multinational clientele. Students will be prepared to fill the growing international demand for leadership positions in resorts, events, convention and visitors bureaus, sport facilities, food and beverage, travel and tourism, spas, airlines, hotels, amusement parks, casinos, cruise lines, private clubs, and more. The complex nature of this industry requires creative problem solving, technical knowledge, communication skills, and leadership.

Broad-based views of the revenue management, service management, hospitality, and tourism disciplines are offered through a common core of courses that promote an understanding of the interrelationships among the global hospitality and tourism industries, based on the underlying concepts of predictive analytics and quality service management. Utilizing STR hospitality metrics, students will develop hotel analytical skills and the opportunity to receive the Certification in Hotel Industry Analytics (CHIA).

Program Requirements

In addition to the University’s general requirements, students seeking the B.S.B.A. in Global Hospitality and Tourism: Revenue Management and Predictive Analytics must meet the requirements listed below.

A minimum course grade of “C” is required in all College of Business prerequisites and courses. Additionally, students must earn a 2.5 cumulative GPA in the major. Students who wish to include concentrated hospitality and tourism management coursework in their program should declare the B.S. in Global Hospitality and Tourism: Service Management degree program (See Global Hospitality and Tourism, BS section (p. 191)).

Students should consult their advisor regarding courses which may satisfy both the General Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

Communication (p. 195)

<table>
<thead>
<tr>
<th>Course</th>
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<td>ENC 1102</td>
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Mathematics (p. 195)

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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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<td>MAC 2311</td>
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<td>Mathematics for Liberal Arts I</td>
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<tr>
<td>MAC 1114</td>
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<td>MAC 1140</td>
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<td>MAC 2233</td>
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Social Sciences (p. 195)

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<td>Introduction to Anthropology</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td>American Politics</td>
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<td>PSY 2012</td>
<td>General Psychology</td>
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<td>PLA 2013</td>
<td>Survey of American Law</td>
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<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</tbody>
</table>

Humanities (p. 195)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

ARH 1000  Art Appreciation
LIT 2000  Introduction to Literature
MUL 2010  Music Appreciation
PHI 2010  Introduction to Philosophy
THE 2000  The Theatre Experience

Group B

AML 2072  Sex, Money, and Power in American Literature
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
CRW 2001  Introduction to Creative Writing
IDH 1040  Honors Core 1
MUH 2930  The Music Experience: Special Topics
PHI 2103  Critical Thinking
PHI 2803  Ethics in Contemporary Society
REL 1300  World Religions
THE 2300  Survey of Dramatic Literature
SPC 2608  Basic Communication Skills

Natural Sciences (p. 195)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

AST 1002  Descriptive Astronomy
BSC 1005  General Biology for Non-Majors
BSC 1085  Anatomy and Physiology I
BSC 2010  Biology I
CHM 1020  Concepts in Chemistry *
CHM 2045  General Chemistry I *
ESC 2000  Introduction to Earth Science
EVR 2001  Introduction to Environmental Science
PHY 1020  Introduction to Concepts in Physics *
PHY 2048  University Physics I **
PHY 2048C  University Physics I - Studio
PHY 2053  General Physics I **

Group B

ANT 2511  Biological Anthropology
BOT 2010  General Botany
BSC 1050  Fundamentals of Ecology
BSC 1086  Anatomy and Physiology II *
BSC 2011  Biology II
BSC 2311  Introduction to Oceanography and Marine Biology *
CGS 2060  Excursions in Computing
CHM 1032  Fundamentals of General Chemistry *
CHM 2046  General Chemistry II *
CIS 2530  Introduction to Cyber Security
GEO 1200  Physical Geography
GLY 2010  Physical Geology *
MCB 1000  Fundamentals of Microbiology *
PHY 2049  University Physics II **
PHY 2054  General Physics II *

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 195)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Global Hospitality and Tourism: Revenue Management and Predictive Analytics B.S.B.A. majors should take the following courses to satisfy components of the General Education curriculum courses:

Humanities 3
SPC 2608  Basic Communication Skills

Mathematics 6
MAC 2233  Calculus with Business Applications
STA 2023  Elements of Statistics

Social Sciences 3
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 (https://dlss.fvcc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.
<table>
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<tr>
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<td>Principles of Managerial Accounting</td>
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<td>CGS 2570</td>
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<td>ECO 2023</td>
<td>Principles of Economics Micro</td>
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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
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</tbody>
</table>

**Total Hours: 24**

*Indicates common prerequisites which can be used to satisfy General Education 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: 9**

### Upper Division Requirements

Students must complete courses from both the College of Business Core (30 sh) and from the Global Hospitality and Tourism Core (30 sh).

### College of Business BSBA Core

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BUL 3130</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>
<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>
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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>Strategic Management</td>
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<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
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</table>

**Total Hours: 30**

### College of Business Undergraduate Transfer Credit Policy

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida’s Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

### Global Hospitality and Tourism Management Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HFT 3053</td>
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<tr>
<td>HFT 3214</td>
<td>Hospitality Safety, Sanitation and Risk Management +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3221</td>
<td>Human Resources in the Hospitality Industry +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3414</td>
<td>Managing Front Office Operations +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3814C</td>
<td>Management of Food and Beverage Operations +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>Resort Operations and Management +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>Strategic Leadership in Hospitality Management +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4426</td>
<td>Hospitality Financial Analysis &amp; Revenue Optimization +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4503</td>
<td>Service Experience Marketing for Hospitality Management +</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4940</td>
<td>Internship in Hospitality Management +</td>
<td>1-3</td>
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</tbody>
</table>

**Total Hours: 28-30**

+ Courses included in the major GPA

Students should seek guidance from their College of Business academic advisors on these matters.
Health, Leisure and Exercise Science

HLES - Exercise Science, Fitness and Conditioning, & Physical Education Teacher Ed

<table>
<thead>
<tr>
<th>Building</th>
<th>Phone</th>
<th>Website</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building 72, Room 241</td>
<td>(850)474-2592</td>
<td><a href="http://uwf.edu/hles">http://uwf.edu/hles</a></td>
<td><a href="mailto:hles@uwf.edu">hles@uwf.edu</a></td>
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Legal Studies, Public Administration and Sport Management (CEPS) - Sport Management

<table>
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<th>Building</th>
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<tbody>
<tr>
<td>Building 85, Room 114</td>
<td>(850)472-2036</td>
<td><a href="http://uwf.edu/lps">http://uwf.edu/lps</a></td>
<td><a href="mailto:lps@uwf.edu">lps@uwf.edu</a></td>
</tr>
</tbody>
</table>

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 45 sh of major core courses and have 15 sh of electives related to the field. The major core courses include an internship in the field:

- Grade of “C” or higher in all courses used to fulfill major requirements
- At least a 2.50 cumulative GPA in the major

Students in the Fitness and Conditioning specialization will complete 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 Exercise Science and Community Health 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 need to take SPM 3004 Introduction to Contemporary Sport Management among courses in the first semester in the major. Students will take a capstone experience in the field of sport management no less than 6 sh. Requirements for permission to the capstone experience 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 Applied Science, Technology & Administration (COPS) 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, clinically-related health fields, and graduate school. The program has specific courses (APK 4125 Exercise Testing and Prescription, APK 4114C Physiological Basis of Strength Development) that prepare students for certifications such as the ACSM Certified Exercise Physiologist (ACSM EP-C) and the National Strength and Conditioning Association Certified Strength and Conditioning Specialists (NSCA CSCS). The course work precedes an internship that allows students to receive valuable work experience just prior to graduating. The University of West Florida’s undergraduate Exercise Science specialization curricula is endorsed by the NSCA for meeting their recommended educational guidelines.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 198)

<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>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics (p. 198)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></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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<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
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<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</table>

Social Sciences (p. 198)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</tbody>
</table>

Humanities (p. 198)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

Group B

<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>
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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>
</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>IDH 1041</td>
<td>Honors Core 1</td>
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<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2803</td>
<td>Ethics in Contemporary Society</td>
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<tr>
<td>REL 1300</td>
<td>World Religions</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 198)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
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<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry *</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<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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<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
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Group B

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<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<td>BOT 2010</td>
<td>General Botany</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II *</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>CGS 2600</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</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>PHY 2049</td>
<td>University Physics II **</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 198)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Exercise Science majors should take the following to satisfy components of General Education:

- Social Science/Behavioral Perspectives: 3
  - PSY 2012 | General Psychology

- Mathematics: 7-9
  - STA 2023 | Elements of Statistics
  - MAC 2311 | Analytic Geometry and Calculus I
  - or MAC 1140 & MAC 1114 | Precalculus Algebra
  - and Trigonometry

- Humanities/Values and Expressions: 3
  - SPC 2608 | Basic Communication Skills

- Natural Sciences: 8
  - BSC 1085+L | Anatomy and Physiology I (+Lab)
  - BSC 1086+L | Anatomy and Physiology II (+Lab)

Total Hours: 21-23
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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
- CHM 2045+L General Chemistry I (+Lab) 4
- HSC 2100 Personal Health 3
- PSY 2012 General Psychology 3
- or DEP 2004 Human Development Across the Lifespan 3
- SPC 2608 Basic Communication Skills 3
- MAC 2311 Analytic Geometry and Calculus I 4
- or MAC 1140 PreCalculus Algebra 3
- STA 2023 Elements of Statistics 3
- HSC 3406C Advanced First Aid and Emergency Care 3

Total Hours 31

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

Lower Division Sub-Core (Minimum grade of "C" or better required)
For students seeking admission to graduate health-profession programs (Physical Therapy, Occupational Therapy, Medical School, Physician's Assistant), it is recommended that the following courses are taken to fulfill the Lower Division Elective requirement.

- BSC 2010+L Biology I (+Lab) 4
- BSC 2011+L Biology II (+Lab) 4
- CHM 2046+L General Chemistry II (+Lab) 4
- PHY 2053+L General Physics I (+Lab) 4
- PHY 2054+L General Physics II (+Lab) 4
- DEP 2004 Human Development Across the Lifespan 3
- or PSY 2012 General Psychology 3

Total Hours 23

or

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 0-23

Recommend ATR 2010 Advanced Prevention and Care of Injuries in Health, Leisure, and Sports be taken at the lower division.

Core (Minimum grade of "C" or better required)

- ATR 2000 Basic Care and Prevention Principles of Athletic Training 3
- ATR 3132 Functional Kinesiology 3
- APK 3110+L Exercise Physiology (+Lab) 4
- APK 3220+L Biomechanical Basis of Movement (+Lab) 4
- APK 4114C Physiological Basis of Strength Development 3
- APK 4119 Exercise Testing for Special Populations 3
- APK 4163 Sport Nutrition and Weight Control 3
- APK 4200 Motor Development and Skill Learning 3
- APK 4125+L Exercise Testing and Prescription (+Lab) 4
- APK 4600C Aging and Physical Performance 3
- APK 4234C Electrocardiogram Interpretation and Graded Exercise Testing 3
- APK 4941C Senior Capstone Experience in Exercise Science 6

Total Hours 45

+ Courses included in the major GPA

Major-Related Electives
Choose one of the following:

- COM 4110 Business and Professional Communication 3
- SPC 3301 Interpersonal Communication 3

Choose a minimum of 12 semester hours:

- ATR 2010 Advanced Prevention and Care of Injuries in Health, Leisure, and Sports 12
- APK 4603C Balance and Mobility Training for Older Adults 3
- ATR 4314 Rehabilitation of Athletic Injuries 3
- PET 4710 Special Methods in Physical Education 3
- BCH 3033+L Biochemistry I (+Lab) 4
- BCH 3034 Biochemistry II 3
- CHM 2210+L Organic Chemistry I (+Lab) 4
- CHM 2211+L Organic Chemistry II (+Lab) 4
- CHM 3230 Organic Chemistry III 3
- CHM 3120+L Analytical Chemistry (+Lab) 3
- CLP 3008 Psychology of Personal Growth 3
- CLP 3144 Abnormal Psychology 3
- CLP 4314 Health Psychology 3
- HLP 3300 Organization and Administration of Professional Programs 3
- HSC 3535 Medical Terminology 3
- HSC 4104 Health Aspects of Stress Management 3
- HSC 4300 Changing Health Behaviors 3
- HSC 4500 Epidemiology 3
- HSC 4572 Nutrition and Health 3
- STA 3162C Applied Statistics 3
- STA 4173 Biostatistics 3

Optional (choose one):

- PEO 2031 Analysis of Individual Sports 3
- PET 2824 Analysis of Team Sports 3
- PEP 3505 Non-Traditional Sports 3

Optional (choose one):

- SPM 3104 Sport Facility and Event Management 3
- SPM 4723 Sport Law and Risk Management 3

Total Hours 15

Fitness and Conditioning
The Fitness and Conditioning specialization prepares students with a foundation of health, pedagogical, and exercise science knowledge to pursue careers in health, community and educational based strength and conditioning programs, recreation, K-12, collegiate, and elite sport coaching, private and corporate fitness and wellness centers, and as fitness specialists in rehabilitation settings.

General Education
In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:
### Communication (p. 198)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
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<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 (p. 198)

Choose one course from Group A and one Additional course from either Group A or Group B  

**Group A**
- MAC 1105: College Algebra
- MAC 2311: Analytic Geometry and Calculus I
- MGF 1106: Mathematics for Liberal Arts I
- MGF 1107: Mathematics for Liberal Arts II
- STA 2023: Elements of Statistics

**Group B**
- MAC 1114: Trigonometry
- MAC 1140: Precalculus Algebra
- MAC 2233: Calculus with Business Applications
- MAC 2312: Analytic Geometry and Calculus II

### Social Sciences (p. 198)

Choose one course from Group A and one additional course from either Group A or Group B  

**Group A**
- AMH 2020: United States since 1877
- ANT 2000: Introduction to Anthropology
- ECO 2013: Principles of Economics Macro
- POS 2041: American Politics
- PSY 2012: General Psychology
- SYG 2000: Introduction to Sociology

**Group B**
- AMH 2010: United States to 1877
- ANT 2400: Current Cultural Issues
- ANT 2100: Introduction to Archaeology
- CCJ 2002: Survey of Crime and Justice
- CPO 2002: Comparative Politics
- DEP 2004: Human Development Across the Lifespan
- EUH 1000: Western Perspectives I
- EUH 1001: Western Perspectives II
- 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
- SOW 2192: Understanding Relationships in the 21st Century
- SYG 2010: Current Social Problems

### Humanities (p. 198)

Choose one course from Group A and one additional course from either Group A or Group B  

**Group A**
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

**Group B**
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

### Natural Sciences (p. 198)
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives**
(p. 198)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Fitness and Conditioning 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 (https://diss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- EDF 1005 Introduction to Education
- EDF 2085 Teaching Diverse Populations
- EME 2040 Introduction to Educational Technology
- BSC 1085 Anatomy and Physiology I
- & 1086 Anatomy and Physiology II

4 credit hours in Skill Development Courses in Physical Activities

---

* Indicates common prerequisites which can be used to satisfy General Education 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3020</td>
<td>Foundations of Physical Education and Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>PET 3640</td>
<td>Adapted Physical Education and Sport</td>
<td>3</td>
</tr>
<tr>
<td>PET 3825</td>
<td>Educational Gymnastics and Dance</td>
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</tr>
<tr>
<td>PET 4310C</td>
<td>Mechanics of Human Motion</td>
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<tr>
<td>PET 4442</td>
<td>Physical Education in the High School</td>
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<tr>
<td>PET 4765</td>
<td>Theory and Practice of Coaching</td>
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</tr>
<tr>
<td>PET 4928</td>
<td>Practicum III: High School Physical Education</td>
<td>1</td>
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</tbody>
</table>

**Total**

45

* Courses included in the major GPA

**Major-Related**

Choose one

- HSC 4300 Changing Health Behaviors
- HSC 4104 Health Aspects of Stress Management
- HLP 4940 Internship
- HSC 4551 Communicable and Degenerative Diseases

**Total Hours**

7-12

**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**

3-8

**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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 198)

ENC 1101  English Composition I  3
ENC 1102  English Composition II  3

Mathematics (p. 198)

Choose one course from Group A and one Additional course from either Group A or Group B  6

Group A
MAC 1105  College Algebra
MAC 2311  Analytic Geometry and Calculus I
MGF 1106  Mathematics for Liberal Arts I
MGF 1107  Mathematics for Liberal Arts II
STA 2023  Elements of Statistics

Group B
MAC 1114  Trigonometry
MAC 1140  Precalculus Algebra
MAC 2233  Calculus with Business Applications
MAC 2312  Analytic Geometry and Calculus II

Social Sciences (p. 198)

Choose one course from Group A and one additional course from either Group A or Group B  6

Group A

AMH 2020  United States since 1877
ANT 2000  Introduction to Anthropology
ECO 2013  Principles of Economics Macro
POS 2041  American Politics
PSY 2012  General Psychology
SYG 2000  Introduction to Sociology

Group B

AMH 2010  United States to 1877
ANT 2400  Current Cultural Issues
ANT 2100  Introduction to Archaeology
CCJ 2002  Survey of Crime and Justice
CPO 2002  Comparative Politics
DEP 2004  Human Development Across the Lifespan
EUH 1000  Western Perspectives I
EUH 1001  Western Perspectives II
FIN 2104  Personal Financial Planning
GEO 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
SOW 2192  Understanding Relationships in the 21st Century
SYG 2010  Current Social Problems

Humanities (p. 198)

Choose one course from Group A and one additional course from either Group A or Group B  6

Group A

ART 1000  Art Appreciation
LIT 2000  Introduction to Literature
MUL 2010  Music Appreciation
PHI 2100  Introduction to Philosophy
THE 2000  The Theatre Experience

Group B

AML 2072  Sex, Money, and Power in American Literature
ARTH 2050  Western Survey I: Greek to Renaissance
ARTH 2051  Western Survey II: Baroque to Contemporary
ART 1015C  Exploring Artistic Vision
ART 2821  Art and Visual Culture Today
CRW 2001  Introduction to Creative Writing
IDH 1040  Honors Core 1
MUH 2930  The Music Experience: Special Topics
PHI 2103  Critical Thinking
PHI 2603  Ethics in Contemporary Society
REL 1300  World Religions
THE 2300  Survey of Dramatic Literature
SPC 2608  Basic Communication Skills

Natural Sciences (p. 198)
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Group A</th>
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<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<tr>
<td>BSC 2010</td>
<td>Biology I</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
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<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
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<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
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<tr>
<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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<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio **</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I **</td>
</tr>
</tbody>
</table>

Group B

| BSC 2311 | Introduction to Oceanography and Marine Biology |
| BCS 2060 | Excursions in Computing |
| CHM 1002 | Fundamentals of General Chemistry |
| CHM 2046 | General Chemistry II |
| CIS 2530 | Introduction to Cyber Security |
| GEO 1210 | Physical Geography |
| GLY 2010 | Physical Geology |
| MCB 1000 | Fundamentals of Microbiology |
| PHY 2049 | University Physics II ** |
| PHY 2054 | General Physics II ** |

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 198)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Physical Education majors should take BSC 1085 Anatomy and Physiology I/BSC 1085L Anatomy and Physiology I Laboratory to fulfill the laboratory science component.

**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 39 sh of major core courses and complete 21 sh major related courses. The major core courses include a 6 sh Senior Capstone Experience.

Requirements for admission to the capstone experience 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;

**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.
• No more than 9 sh remaining to completion of all major courses and major related courses excluding the 6 sh Senior Capstone Experience in Sport Management;

• Completion of SPM 4003 - Sport Management Careers Seminar; and

• Recommendations of academic advisors and the director of the Sport Management program.

General Education
In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 198)
ENC 1101 English Composition I 3
ENC 1102 English Composition II 3

Mathematics (p. 198)
Choose one course from Group A and one additional course from either Group A or Group B 6

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<thead>
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<th>Group A</th>
<th>Group B</th>
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<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>AMH 2020 United States since 1877</td>
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<td>MGF 1107 Mathematics for Liberal Arts II</td>
<td>POS 2041 American Politics</td>
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<td>STA 2023 Elements of Statistics</td>
<td>PSY 2012 General Psychology</td>
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Group B

<table>
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<th>Group A</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010 United States to 1877</td>
<td>ANT 2400 Current Cultural Issues</td>
</tr>
<tr>
<td>ANT 2100 Introduction to Archaeology</td>
<td>CCJ 2002 Survey of Crime and Justice</td>
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<td>FIN 2104 Personal Financial Planning</td>
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<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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Humanities (p. 198)
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<tr>
<td>THE 2000 The Theatre Experience</td>
<td>MUH 2930 The Music Experience: Special Topics</td>
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</table>

Group B

<table>
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<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
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<td>ARH 2050 Western Survey II: Baroque to Contemporary</td>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<td>ART 1015C Exploring Artistic Vision</td>
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<td>REL 1300 World Religions</td>
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<td>THE 2300 Survey of Dramatic Literature</td>
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<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
<td>SPC 2608 Basic Communication Skills</td>
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</table>

Natural Sciences (p. 198)
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 (https://dlss.flvc.org/manuals/)

**Choose one course from Group A and one additional course from either Group A or Group B**

**Group A**
- AST 1002  Descriptive Astronomy
- BSC 1005  General Biology for Non-Majors
- BSC 1085  Anatomy and Physiology I
- BSC 2010  Biology I
- CHM 1020  Concepts in Chemistry
- CHM 2045  General Chemistry I
- ESC 2000  Introduction to Earth Science
- EVR 2001  Introduction to Environmental Science
- PHY 1020  Introduction to Concepts in Physics
- PHY 2048  University Physics I **
- PHY 2048C  University Physics I - Studio
- PHY 2053  General Physics I **

**Group B**
- ANT 2511  Biological Anthropology
- BOT 2010  General Botany
- BSC 1050  Fundamentals of Ecology
- BSC 1086  Anatomy and Physiology II
- BSC 2011  Biology II
- BSC 2311  Introduction to Oceanography and Marine Biology
- CGS 2060  Excursions in Computing
- CHM 1032  Fundamentals of General Chemistry
- CHM 2046  General Chemistry II **
- CIS 2530  Introduction to Cyber Security
- GEO 1200  Physical Geography
- GLY 2010  Physical Geology
- MCB 1000  Fundamentals of Microbiology
- PHY 2049  University Physics II **
- PHY 2054  General Physics II **

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester course will be needed to meet General Studies requirements.

General Education Electives (p. 198)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Sport Management majors should take the following to satisfy components of General Education:

**Social Science/Behavioral Perspective:**
- PSY 2012  General Psychology
- or DEP 2004  Human Development Across the Lifespan

**Mathematics:**
- STA 2023  Elements of Statistics
- MAC 1105  College Algebra

**Humanities/Values and Expressions:**
- 3

**SPC 2608  Basic Communication Skills**
- 3

**Natural Sciences:**
- 8
  - BSC 1085-L  Anatomy and Physiology I (+Lab)
  - BSC 1086-L  Anatomy and Physiology II (+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 (https://dlss.flvc.org/manuals/

Common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

**BSC 1085-L  Anatomy and Physiology I (+Lab) **
- 4

**ATR 2010  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

**ACG 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 Education 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.

**Major**

**SPM 3004  Introduction to Contemporary Sport Management +**
- 3

**SPM 3104  Sport Facility and Event Management +**
- 3

**SPM 3115  Organizational Management and Leadership in Sport +**
- 3

**SPM 3306  Sports Marketing +**
- 3

**SPM 3403  Sport Media +**
- 3

**SPM 4003  Sport Management Careers Seminar +**
- 3

**SPM 4012  Sociology of Sport +**
- 3

**SPM 4503  Economic Issues in Sport +**
- 3

**SPM 4505  Principles and Issues in Sport Finance +**
- 3

**SPM 4604  Governance in Sport +**
- 3

**SPM 4723  Sport Law and Risk Management +**
- 3

**SPM 4945  Senior Capstone Experience in Sport Management +**
- 6

**Total Hours 39**

+ Courses included in the major GPA

**Major-Related**

**AGC 3082  Accounting for Non-Majors**
- 3

**HFT 3221  Human Resources in the Hospitality Industry**
- 3

**MAR 3023  Marketing Fundamentals**
- 3

**MAN 3025  Management Fundamentals**
- 3

Choose one of the following:

**ADV 3000  Introduction to Advertising**
- 3

**COM 4110  Business and Professional Communication**
- 3

**ECO 3003  Principles of Economic Theory and Public Policy (II)**
- 3

**ECO 3013  Not completed as part of common prerequisites**
- 3

**MAN 3240  Behavior in Organizations**
- 3

**PUR 3000  Principles of Public Relations**
- 3
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>PSY 4832</td>
<td>Sport and Exercise Psychology</td>
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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.

- Total Hours: 15
- Upper Division Electives: 6
Health Sciences

The B.S. in Health Sciences Program is designed for undergraduate students who wish to pursue their studies in health, healthcare, and public health. This degree is geared toward developing health professionals and healthcare administrators who are empowered to promote the health and well-being of the populations they serve. The major is intended for students interested in career advancement or for those whose goal is to work in the health professions providing service to individuals and communities. Students choose to pursue either the (1) generalized Health Sciences degree, (2) the specialization in Healthcare Administration or (3) the specialization in Public Health. Students interested in pursuing occupational therapy, physical therapy, chiropractic, nutrition, physician assistant or accelerated nursing programs after they graduate should plan early to incorporate the course requirements for those programs, if possible, into their Health Sciences Degree.

Program Requirements

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.

Acceptance to the University does not constitute admission to the upper division Health Science Program. Students entering UWF or declaring a major in Health Sciences will automatically be placed in a pending status until they meet the requirements for admission.

• Students must have a cumulative GPA of 2.50 in all previously attempted college work.
• Students must successfully complete all prerequisite courses with a grade of “C” or better.
• Student must be at the level of a sophomore or higher.
• Students will not be admitted to the program less than one week before the beginning of the term in which they have applied.
• Students must complete the Health Sciences Application form.

Those who do not complete these requirements may be denied further registration, and may be prevented from further enrollment in Health Sciences courses.

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://uwf.edu/online/out-of-state-students/state-authorization/

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/

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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 208)

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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
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</table>

Mathematics (p. 208)

Choose one course from Group A and one Additional course from either Group A or Group B

Group A

<table>
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<td>MAC 1105</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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<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>

Group B

<table>
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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
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<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
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</table>

Social Sciences (p. 208)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
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<tr>
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<th>Course Title</th>
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<td>AMH 2020</td>
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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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<td>Survey of Crime and Justice</td>
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<td>PLA 2013</td>
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<tr>
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<tr>
<td>SYG 2010</td>
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Group B

<table>
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<th>Course Code</th>
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<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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Humanities (p. 208)

<table>
<thead>
<tr>
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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>
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</table>

Current Social Problems
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

Group B
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

Natural Sciences (p. 208)

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry *
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I **

Group B
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II *
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology *
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry *
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology *
- MCB 1000 Fundamentals of Microbiology *
- PHY 2049 University Physics II
- PHY 2054 General Physics II *

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester course will be needed to meet General Studies requirements.

General Education Electives (p. 208)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Students should take the following to satisfy components of General Education:

Mathematics:
- MAC 1105 College Algebra 10
- STA 2023 Elements of Statistics

Social Science:
- PSY 2012 General Psychology 3

Natural Science:
- BSC 1085 Anatomy and Physiology I 4
- BSC 1085L Anatomy and Physiology I Laboratory

Common Prerequisites
- BSC 1005+L General Biology for Non-Majors (+Lab) ** 3
- MAC 1105 College Algebra 3
- PSY 2012 General Psychology 3
- STA 2023 Elements of Statistics 3

Total Hours 12
Regulations have led to a rapid increase in the demand for this field.

Healthcare administrators work in hospitals, outpatient clinics, rehabilitation centers, long term care facilities, mental health organizations, and insurance companies. Demographic pressures, advances in medicine and technology, and increased health regulations have led to a rapid increase in the demand for this field.

** 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. Students interested in pursuing occupational therapy, physical therapy, chiropractic, nutrition, physician assistant or accelerated nursing programs after they graduate should plan early with their advisor to incorporate, if possible, the course requirements for those programs into their Health Sciences Degree. Students should consider taking lower division electives such as BSC1085/L, BSC1086/L, BSC2010/L, BSC2011/L, CHM2045/L, CHM2046/L, PHY2053/L, HSC2054/L as indicated by the post-baccalaureate programs to which they plan to apply.

Total Hours 15-27

** Health Sciences **

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>HSC 3034</td>
<td>Current Issues in the Health Sciences</td>
<td>3</td>
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<tr>
<td>HSC 3535</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2622</td>
<td>Introduction to Global Health Sciences</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 3111</td>
<td>Understanding U.S. Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4192</td>
<td>Current Topics in Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4703</td>
<td>Human Physiology</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4001</td>
<td>Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Disease</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3510</td>
<td>Data Analysis in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>HSA 3551</td>
<td>Health Ethics and Professional</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4404</td>
<td>Medical Disaster Management</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4658</td>
<td>End-of-Life Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4363</td>
<td>Occupational Safety and Health in the Health Care</td>
<td>3</td>
</tr>
<tr>
<td>ENC 3213</td>
<td>Professional and Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4502</td>
<td>Principles of Human Disease</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4050</td>
<td>Health Sciences Research Seminar</td>
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<tr>
<td>Approved Electives</td>
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</table>

Total Hours 60

* Students will speak with an academic advisor to discuss courses which may meet this requirement interested in pursuing occupational therapy, physical therapy, chiropractic, nutrition, physician assistant or accelerated nursing programs after they graduate should plan early with their advisor to incorporate, if possible, the course requirements for those programs into their Health Sciences Degree.

+ Courses included in the major GPA

** Major-Related **

Students will speak with an academic advisor to discuss prerequisites and possible transfer courses which may meet prerequisite requirements.

** Health Care Administration Specialization **

Healthcare administrators work in hospitals, outpatient clinics, rehabilitation centers, long term care facilities, mental health organizations, and insurance companies. Demographic pressures, advances in medicine and technology, and increased health regulations have led to a rapid increase in the demand for this field.

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</table>

** Upper Division Requirements **

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<tbody>
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<td>Current Issues in the Health Sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

** Total Hours 60**

* Courses included in the major GPA

** Public Health Specialization **

Public health practitioners work in a wide range of careers in public health, consulting, consumer advocacy, non-governmental, local, state and federal health agencies. They will have prospects to work in disease surveillance, community engagement, maternal and child health, and environmental health.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 2082</td>
<td>Informatics and Your Health</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3510</td>
<td>Data Analysis in the Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4101</td>
<td>Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>Understanding U.S. Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3535</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Information Systems</td>
<td>3</td>
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<tr>
<td>BUL 4602</td>
<td>Legal Fundamentals of Healthcare and Public Health</td>
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<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Disease</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4109</td>
<td>Diseases in Human Populations</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4140</td>
<td>Public Health Planning and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4341</td>
<td>Fundamentals of Occupational Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4404</td>
<td>Medical Disaster Management</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4050</td>
<td>Health Sciences Research Seminar</td>
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<tr>
<td>Advisor Electives</td>
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</table>

Total Hours 60

* Courses included in the major GPA

** 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:

<table>
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<th>Course Title</th>
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<tr>
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<td>Accounting for Non-Majors</td>
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<tr>
<td>BCH 3033</td>
<td>Biochemistry I</td>
<td>3</td>
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<td>BSC 4854</td>
<td>Biotechnology</td>
<td>3</td>
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<tr>
<td>CGS 3604</td>
<td>Applications of Information Technology</td>
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<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
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<td>CLP 3144</td>
<td>Abnormal Psychology</td>
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<td>Course Title</td>
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<tr>
<td>CLP 4314</td>
<td>Health Psychology</td>
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<td>COM 4022</td>
<td>Health Communication</td>
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<tr>
<td>COP 4710</td>
<td>Database Systems</td>
<td>3</td>
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<tr>
<td>DEP 4404</td>
<td>Adulthood and Aging</td>
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<tr>
<td>EAB 4704</td>
<td>Introduction to Behavior Modification</td>
<td>3</td>
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<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
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<tr>
<td>ENC 3213</td>
<td>Professional and Technical Writing</td>
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<td>GEY 4001</td>
<td>Gerontology</td>
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<td>HSA 4110</td>
<td>Health Care Policy and Administration</td>
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<td>HSA 4192</td>
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<td>HSA 4193</td>
<td>Electronic Clinical Record Systems</td>
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<td>PHC 4140</td>
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<td>Medical Disaster Management</td>
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<td>HSC 4658</td>
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<td>MCB 3020</td>
<td>Microbiology</td>
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<td>Epidemiology of Infectious Disease</td>
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<td>MAN 3301</td>
<td>Human Resources Management</td>
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<td>PHY 2053</td>
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<td>PSB 4002</td>
<td>Brain, Behavior, and Experience</td>
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<td>PSB 4731</td>
<td>Psychobiology of Sexual Behavior</td>
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<tr>
<td>PSY 4832</td>
<td>Sport and Exercise Psychology</td>
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<td>SOW 3314</td>
<td>Case Management</td>
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<td>SOW 4111</td>
<td>Adolescents At Risk</td>
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<tr>
<td>SOW 4242</td>
<td>Families and Family Treatment</td>
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</table>

Please email the Health Sciences Program for more information (healthsciences@uwf.edu ()).

**Certificates**

**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, and 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.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>PHC 4341</td>
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<td>Fundamentals of Industrial Hygiene</td>
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</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.

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.

History Capstone Experience: All majors are required to complete the History Capstone Experience, which produces a student-assembled, student-maintained portfolio of their final research paper from Methods and Materials, Junior Seminar and completion of a Senior Capstone Experience. Students may not complete the Junior Seminar until successful completion of Methods and Materials.

Seniors may not complete their Capstone Experience until successful completion of the Junior Seminar. The Senior Capstone Experience includes a final research paper completed in an upper-level history course. The course must be a regularly-scheduled course taught by a member of the regular line History faculty and fall in the student’s final fall or spring semester.

The History Capstone Experience cannot be embedded in a lower-level History course, a summer course, a course from another discipline, or a directed study and cannot be contracted with a faculty member from another discipline or a member of the adjunct History faculty. The History Capstone Experience must be arranged via a contract between the student and professor at the beginning of the student’s final semester of coursework and should represent the student’s best work.

At the heart of the History Capstone Experience is the research/writing component, which might be a major paper or a series of shorter analytical papers, an individual project or an individual’s contribution to a larger group/class project, a documentary, a simulation exercise, a series of oral histories, and/or in-class presentations.

The research/writing component should meet most, if not all, of the expectations of the History Capstone Experience, which are linked to the five domains of the History Academic Learning Compact: content knowledge, critical-thinking, communication, ethics and integrity, and project management.

Consult with your academic advisor for courses which may satisfy both the General Education requirements and common prerequisites.

The final assessment is a comparison, with a rubric, of the final papers for Methods and Materials, Junior Seminar, and Senior Capstone Experience. The student must maintain this portfolio.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 212)

ENC 1101 English Composition I 3
ENC 1102 English Composition II 3

Mathematics (p. 212)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

MAC 1105 College Algebra
MAC 2311 Analytic Geometry and Calculus I
MGF 1106 Mathematics for Liberal Arts I
MGF 1107 Mathematics for Liberal Arts II
STA 2023 Elements of Statistics

Group B

MAC 1114 Trigonometry
MAC 1140 Precalculus Algebra
MAC 2233 Calculus with Business Applications
MAC 2312 Analytic Geometry and Calculus II

Social Sciences (p. 212)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<td>Principles of Economics Macro</td>
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<td>American Politics</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<td>Introduction to Sociology</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 212)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MJH 2930</td>
<td>The Music Experience: Special Topics</td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHI 2803</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300</td>
<td>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 212)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 212)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Consult with your academic advisor for courses which may satisfy both the General Education 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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 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>
</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</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Hours</td>
<td>18-21</td>
</tr>
</tbody>
</table>

History Specialization

**Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</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>
<tr>
<td>HIS 3002</td>
<td>Methods and Materials Colloquium</td>
<td>3</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Junior Seminar</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Two 3000/4000 level American History (AMH) courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Two 3000/4000 level European History (EUH) courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>3000/4000 level course with AFH, ASH, or LAH prefix</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Four 3000/4000 level History courses with AFH, AMH, ASH, EUH, HIS, or LAH prefixes</td>
<td>12</td>
</tr>
</tbody>
</table>

| Total Hours | 45 |

+ Courses included in the major GPA

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>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

U.S. History 6
European History 6
History elective 3

Courses included in the major GPA
The B.A. in Interdisciplinary Humanities program affords students the opportunity to select one of two specializations: Arts Administration or Women’s, Gender, and Sexuality 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

#### General Education Curriculum:

**Communication (p. 215)**

<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>
</tbody>
</table>

**Mathematics (p. 215)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

**Humanities (p. 215)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2102</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group A

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2100</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

**Social Sciences (p. 215)**

Choose one course from Group A and one additional course from either Group A or Group B

<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>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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

**Natural Sciences (p. 215)**
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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. The program offers a solid foundation for either employment in a professional environment or additional graduate study in Arts Administration.

**General Education**

In addition to the general education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General

**Degree Requirements**

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.

**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**

**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.

**Total Hours**

**Fine or Performing Art Concentration**

Students will choose a major concentration in Art, Music or Theatre.

**Art Track**

- ARH 4830C Museum and Gallery Studies
- 3000/4000 level advisor approved Studio Art or Art History Electives

**Music Track**

- MUH 3212 History of Western Music II: 18th through 20th Centuries
- 3000/4000 level advisor approved Music Electives

**Theatre Track**

- TPA 3801 Stage Management
- THE 3090 Theatrical Production & Performance
- 3000/4000 level advisor approved Theatre Electives

**Total Hours**

**Major-Related**

- ACG 3082 Accounting for Non-Majors
- ADV 3000 Introduction to Advertising
- MAN 3025 Management Fundamentals
- MAR 3023 Marketing Fundamentals
- PUR 3000 Principles of Public Relations

Choose one of the following:

- PUR 3100 Writing for Public Relations
Women's, Gender, and Sexuality Studies

Major-related courses may be substituted with courses by contract. Requirements for Women's, Gender, and Sexuality Studies courses by contract include:

- Must be a 3000/4000 level course.
- Permission by the course instructor and Women's, Gender, and Sexuality Studies program advisor to complete the course as by contract must be obtained by the student.
- Student must complete a Women's, Gender, and Sexuality Studies By Contract Proposal in which the student submits the course syllabus and a 150-250 word summary signed by the instructor to the Women's, Gender, and Sexuality Studies advisor to complete the course as by contract.

Students must complete an advisor-approved minor (or double major) 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.

Minors

Women's, Gender, and Sexuality Studies

In the interdisciplinary Women's, Gender, and Sexuality Studies Minor students creatively and critically explore the significance of gender in all areas of life, examining the social formation of human identities, practices, and institutions. Courses offer practical preparation for careers in community relations, law, criminal justice, politics, business, communications, counseling, social work, and teaching. Students can select classes from philosophy, literature, communications, fine arts, anthropology, government, history, legal studies, psychology, sociology, social work, and criminal justice. The Women's, Gender, and Sexuality Studies program also offers a host of co-curricular events and activities that help students to cultivate skills and put theory into practice. Beyond the annual Women, Gender, and Sexuality Studies Conference, the students host art exhibitions, poetry open mic nights and community reading groups and publish a national feminist student journal.
their professional skills and put theory into practice. Beyond the annual Women’s, Gender, and Sexuality Studies Conference, the students host art exhibitions, poetry open mic nights and community reading groups and publish a national feminist student journal.

To receive a Minor in the Women’s, Gender, and Sexuality Studies Program, students must complete a total of 15 semester hours of upper-division course work including:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYD 3810</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Choose one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4302</td>
<td>Sex Roles in Anthropological Perspective</td>
<td></td>
</tr>
<tr>
<td>AML 3624</td>
<td>Black Women Writers</td>
<td></td>
</tr>
<tr>
<td>ARH 3871</td>
<td>Women in Art</td>
<td></td>
</tr>
<tr>
<td>COM 3014</td>
<td>Gender Communication</td>
<td></td>
</tr>
<tr>
<td>ENG 3843</td>
<td>Theories of Sexuality and Gender</td>
<td></td>
</tr>
<tr>
<td>EUH 4614</td>
<td>Medieval Women</td>
<td></td>
</tr>
<tr>
<td>HIS 3313</td>
<td>Issues in Gender and Diversity</td>
<td></td>
</tr>
<tr>
<td>HIS 4316</td>
<td>Women in the Atlantic World</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>POS 3072</td>
<td>Women and Politics</td>
<td></td>
</tr>
<tr>
<td>REL 3145</td>
<td>Women and Religion</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></td>
</tr>
<tr>
<td></td>
<td>Choose one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3553</td>
<td>Family Crime and Violence</td>
<td></td>
</tr>
<tr>
<td>CCJ 3666</td>
<td>Victimology</td>
<td></td>
</tr>
<tr>
<td>CCJ 3678</td>
<td>Race, Gender, Ethnicity, and Crime</td>
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<td>CCJ 3691</td>
<td>Sex Offenses and the Offender</td>
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<td>INP 4224</td>
<td>Psychology of Workforce Diversity</td>
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<td>PLA 3806</td>
<td>Family Law</td>
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<td>PSB 4731</td>
<td>Psychobiology of Sexual Behavior</td>
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<tr>
<td>SOP 4702</td>
<td>Psychology and Gender</td>
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<tr>
<td>SOW 4141</td>
<td>Social Aspects of Family Violence</td>
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<td>SOW 4242</td>
<td>Families and Family Treatment</td>
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<td>Choose two additional courses from any of the courses above (6 hours).</td>
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</table>
The B.S. in Information Technology (IT) is a cooperative effort among COB, CEPS and CSE. Students complete one of three IT specializations: Information Technology, Digital Enterprise, or Network Systems Operations.

**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. A minimum grade of "C-" is required for all major and major-related courses with a cumulative major GPA of 2.0 or higher. Students should consult with their academic advisor for courses which may satisfy both the General Education requirements and common prerequisites.

**General Education**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

**Communication (p. 219)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<tr>
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**Mathematics (p. 219)**

<table>
<thead>
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<tbody>
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<td>MGF 1106</td>
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<td>STA 2023</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</table>

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

<table>
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Group B

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<tr>
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<tr>
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<tr>
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<td>General Psychology</td>
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<td>Introduction to Sociology</td>
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<td>ANT 2100</td>
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<td>Comparative Politics</td>
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<td>Western Perspectives I</td>
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<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td></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>
<td></td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

**Social Sciences (p. 219)**

Choose one course from Group A and one additional course from either Group A or Group B 6

**Humanities (p. 219)**
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

**Group B**
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

Natural Sciences (p. 219)

Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 219)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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 Pre-calculus Algebra 3
- PHI 2603 Ethics in Contemporary Society 3
- PSY 2012 General Psychology 3
- STA 2023 Elements of Statistics 3

* Indicates common prerequisites which can be used to satisfy General Education 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 24

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. The 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 850-474-2864 or computersonline@uwf.edu.

Major

Information Technology Common Core 15

<table>
<thead>
<tr>
<th>Course Prefix</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 4007C</td>
<td>Theory and Fundamentals of Networks</td>
</tr>
<tr>
<td>CGS 3604</td>
<td>Applications of Information Technology</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>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Prefix</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3512</td>
<td>Software Documentation</td>
</tr>
<tr>
<td>GEB 3213</td>
<td>Writing for Business: Theory and Practice</td>
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Digital Enterprise Specialization 24

<table>
<thead>
<tr>
<th>Course Prefix</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MAN 3025</td>
<td>Management Fundamentals</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
</tr>
<tr>
<td>MAR 4721</td>
<td>Digital Marketing</td>
</tr>
<tr>
<td>MAR 4728</td>
<td>High Tech Product Marketing Strategy</td>
</tr>
<tr>
<td>CIS 4595C</td>
<td>Capstone Systems Project</td>
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<tr>
<td>COP 3813</td>
<td>Server-Side Programming</td>
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Choose one of the following:

<table>
<thead>
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<tbody>
<tr>
<td>CGS 3464</td>
<td>Programming Using Visual Basic for Non-Majors</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
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Choose one of the following:

<table>
<thead>
<tr>
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<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3183</td>
<td>Basic Web Applications</td>
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<tr>
<td>CIS 4340</td>
<td>Web Server Technologies</td>
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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 18

Network Systems Operations Specialization

The specialization prepares learners to assume leadership roles in Network 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 Instructional, Workforce and Applied Technology at (850) 474-2300 or at iwat@uwf.edu.

Major

Information Technology Common Core 16

<table>
<thead>
<tr>
<th>Course Prefix</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3604</td>
<td>Applications of Information Technology</td>
</tr>
<tr>
<td>COP 4710</td>
<td>Database Systems</td>
</tr>
<tr>
<td>EME 4622</td>
<td>Technology Systems Operations: Management Strategies</td>
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<tr>
<td>GEB 3032</td>
<td>Business Foundations for Non-Business Majors</td>
</tr>
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</table>

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Network Systems Operations Specialization Courses 20

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<th>Course Title</th>
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<tr>
<td>EME 3402</td>
<td>Information Technology Implementation Case Studies</td>
</tr>
<tr>
<td>EME 3406</td>
<td>Web Presence Deployment Strategies</td>
</tr>
<tr>
<td>EME 4313</td>
<td>Wireless and Mobile Communications</td>
</tr>
<tr>
<td>EME 4454</td>
<td>Technology Systems Implementation Strategies</td>
</tr>
</tbody>
</table>

Web Architect. For further information about this specialization, contact the Department of Computer Science 850-474-2864 or computersonline@uwf.edu.
Students accepted into the M.Ed. program must complete all M.Ed. requirements within 18 months of completing the bachelor’s degree. If the M.Ed. 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 graduate credit hours either toward completion of the bachelor’s degree or toward a future master’s degree) and is automatically terminated from the ABM IT-IT program.

If a student in the ABM IT-IT program completes the bachelor’s 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 bachelor’s degree or toward a future master’s degree) and is automatically terminated from the ABM IT-IT program.

A student who becomes ineligible to continue participating in or withdraws from the ABM IT-IT program cannot apply any graduate credit hours toward both degrees. Students who are enrolled in the ABM IT-IT program are eligible for graduate assistantship positions only after completing the bachelor’s degree.

**Network Systems Operations Specialization**

The specialization prepares learners to assume leadership roles in Network 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 Instructional, Workforce and Applied Technology at iwat@uwf.edu.

**Major**

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<td>CGS 3604</td>
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**Information Technology Operations Specialization Courses 20hrs**

| EME 3402 | Information Technology Implementation Case Studies | 3 |
| EME 3406 | Web Presence Deployment Strategies                  | 4 |
| EME 4313 | Wireless and Mobile Communications                    | 3 |
| EME 4454 | Technology Systems Implementation Strategies           | 3 |
| EME 4627 | Technology Systems Operations: Architectures and Components | 4 |

**Total Hours** 33

**Major Related Electives**

Advisor approved courses from Department of Computer Science, Department of Instructional, Workforce and Applied Technology and College of Business.

**Upper Division Electives**

Students will complete 12 sh of graduate level coursework aligned with the M.Ed. in Instructional Design and Technology and their particular interests in the field. Credits may come from the core degree.
requirements or from one of the areas of specialization within the program. Students should work closely with the graduate level adviser to identify appropriate courses.
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 through 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.

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 Education and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 224)

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Mathematics (p. 224)

Choose one course from Group A and one additional course from either Group A or Group B 6

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Social Sciences (p. 224)

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<tbody>
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<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 224)

Choose one course from Group A and one additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 224)
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

Lower Division Electives

<table>
<thead>
<tr>
<th>Group A</th>
<th>6</th>
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</thead>
<tbody>
<tr>
<td>AST 1002 Descriptive Astronomy</td>
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<tr>
<td>BSC 1005 General Biology for Non-Majors</td>
<td></td>
</tr>
<tr>
<td>BSC 1085 Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BSC 2010 Biology I</td>
<td></td>
</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHM 2045 General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>ESC 2000 Introduction to Earth Science</td>
<td></td>
</tr>
<tr>
<td>EVR 2001 Introduction to Environmental Science</td>
<td></td>
</tr>
<tr>
<td>PHY 1020 Introduction to Concepts in Physics</td>
<td></td>
</tr>
<tr>
<td>PHY 2048 University Physics I **</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C University Physics I - Studio</td>
<td></td>
</tr>
<tr>
<td>PHY 2053 General Physics I</td>
<td></td>
</tr>
</tbody>
</table>

| Group B                        |   |
| ANT 2511 Biological Anthropology | |
| BOT 2010 General Botany         |   |
| BSC 1050 Fundamentals of Ecology |   |
| BSC 1086 Anatomy and Physiology II |   |
| BSC 2011 Biology II            |   |
| BSC 2311 Introduction to Oceangraphy and Marine Biology * |   |
| CGS 2060 Excursions in Computing |   |
| CHM 1032 Fundamentals of General Chemistry * |   |
| CHM 2046 General Chemistry II  |   |
| CIS 2530 Introduction to Cyber Security |   |
| GEO 1200 Physical Geography    |   |
| GLY 2010 Physical Geology      |   |
| MCB 1000 Fundamentals of Microbiology * |   |
| PHY 2049 University Physics II ** |   |
| PHY 2054 General Physics II    |   |

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 224)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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

It is recommended that these electives be taken at the lower division because they are required for the degree: 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
- INR 4314 Grand Strategy in International Relations *
- INR 4060 Causes of War +

Analysis
- INR 3073 Analyzing Issues in International Politics *
- POS 3033 Analyzing Issues in American Politics *
- POS 3734 Political Science Research Methods +

Culture
- ANT 3141 Origins of Civilization *
- ANT 3212 Peoples and Cultures of the World *

History
- Any 3000/4000 level EUH or LAH course, or HIS 4284 +

Economics
- CPO 4074 Political Economy *
- ECO 3003 Principles of Economic Theory and Public Policy *

Geography
- GEO 3421 Cultural Geography *
- GEO 3471 Geography of World Affairs *

If not completed at the lower division:
- CPO 2002 Comparative Politics
- INR 2002 International Politics

+ Courses included in the major GPA

Concentration Tracks
Choose five courses in one of the five tracks described below plus 6 sh of the same foreign language at the 2000 level or higher: 21

Additional Foreign Language Requirement ***
2000 level or higher of prefix ARA, CHI, FRE, GER, JPN, SPN, SPW (6 sh) ***

Generalist Track
Choose five 3000/4000 level courses from at least four of the following areas of concentration (15 sh):

- People and the Past - History (Common prefixes: AFH, CHI, FRE, GER, JPN, SPN, SPW) (6 sh) *
- People and Ideas - Humanities (Common prefixes: "ARA, *ARH, "CHI, "CHM, "ENL, "FRE, "GEO, "HIS, "HUM, "MUH, "PHH, "REL, "SPC, "SPN, "SPW") *

Security and Diplomacy (Common prefixes: CPO, INR)
International Business and Economics (Common prefixes: BUL, GEB, ECO, ECP, MAN, MAR):

Cultural Affairs Track
Choose five 3000/4000 level courses from across the disciplines of History, Anthropology, Geography, and all of the Humanities disciplines including Art, Literature, Music, Philosophy, Religious Studies, and World Languages. (Common prefixes: AFH, "ANT, "ARH, "CHI, "FRE, "GER, "HIS, "HUM, "MUH, "PHH, "REL, "SPC, "SPN) (15 sh) *

Security and Diplomacy Track
Choose five 3000/4000 level courses which are relevant to the subject areas of international relations, studies of conflict and war, diplomatic relations, international law and organizations, military issues, democratization, and politics in specific countries. (Common prefixes: CPO, INR) (15 sh)

International Business and Economics Track
Choose five 3000/4000 level courses which are relevant to the subject areas of international trade, economic development, business, management and economics. (Common prefixes: BUL, GEB, ECO, ECP, MAN, MAR) (15 sh)

No more than 24% of the program requirements for this degree may be in traditional business subjects.

Area Studies Track **
Eligibility and Restrictions:

Advisor.

BAINS/MAPS program application and a letter of recommendation to Accelerated Accelerated BAINS/MAPS program. The student must then submit an plan for his/her faculty advisor and graduate advisor to discuss and develop a degree her undergraduate Accelerated BAINS/MAPS program must schedule a meeting with his/ her admission for the

A prospective student who meets the minimum requirements for admission include:

- Overall undergraduate GPA of 3.25 or better
- Undergraduate Major GPA of 3.5 or better
- Completion of all Bachelor of Arts International Studies major core requirements except for the one core course satisfied by the MAPS core course option
- A grade of B (3.0) or higher in all BAINS major core classes
- One letter of recommendation from a Department of Government faculty member

Process:

A prospective student who meets the minimum requirements for admission for the Accelerated BAINS/MAPS program must schedule a meeting with his/her undergraduate faculty advisor and graduate advisor to discuss and develop a degree plan for his/her Accelerated BAINS/MAPS program. The student must then submit an Accelerated BAINS/MAPS program application and a 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 BAINS/ MAPS 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 BAINS/MAPS program. For admission into the Accelerated BAINS/ MAPS program in the summer semester, application materials must be submitted by March 15. For admission into the Accelerated BAINS/MAPS program in the fall semester, application materials must be submitted by June 15. For admission into the Accelerated BAINS/MAPS program in the spring semester, application materials must be submitted by October 15. Admission into the Accelerated BAINS/MAPS program does not guarantee admission into the MAPS program upon completion of the BAINS. Students must still submit an Express Admission application for the MAPS program. Students who are a part of the BAINS/MAPS program cannot be provisionally or conditionally admitted into the MAPS program.

Program Requirements

Upon admission into the MAPS, the 12 graduate credit hours completed as an undergraduate student will count for 12 semester hours in International Studies coursework for the MAPS. Students in the Accelerated BAINS/MAPS 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 MAPS degree.

Students accepted into the MAPS program must complete all MAPS requirements within 18 months of completing the BAINS degree. If the MAPS 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 graduate credit hours either toward completion of the bachelor’s degree or toward a future master’s degree) and is automatically terminated from the Accelerated BAINS/MAPS program.

If a student in the Accelerated BAINS/MAPS program completes the BAINS 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 bachelor’s degree or toward a future master’s degree) and is automatically terminated from the Accelerated BAINS/MAPS program.

A student who becomes ineligible to continue participating in or withdraws from the
Accelerated BAINS/MAPS program cannot apply any graduate credit hours toward both Degrees.

Students who are enrolled in the Accelerated BAINS/MAPS program are eligible for graduate assistantship positions only after completing the BAINS degree.

Lower Division Electives (24 Hours)

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.

Recommended electives are INR 2002 International Politics and CPO 2002 Comparative Politics.

ABM International Studies Major Courses (33-41 Hours)

International Studies Common Core

Must choose only one course from the Politics section and course from the Analysis section.

Politics

<table>
<thead>
<tr>
<th>CPO 6006</th>
<th>Seminar in Comparative Politics</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 6007</td>
<td>Seminar in International Relations</td>
</tr>
</tbody>
</table>

Analysis

| POS 6704     | Political Science Research Methods |

Choose four courses, one each from at least three different academic fields:

Culture

<table>
<thead>
<tr>
<th>ANT 3141</th>
<th>Origins of Civilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
</tr>
</tbody>
</table>

History

Any 3000/4000 level EUH or LAH course*

Economics

| ECO 3003     | Principles of Economic Theory and Public Policy |

Geography

<table>
<thead>
<tr>
<th>GEO 3421</th>
<th>Cultural Geography</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3471</td>
<td>Geography of World Affairs</td>
</tr>
</tbody>
</table>

* or both EUH 1000 Western Perspectives I and EUH 1001 Western Perspectives II 6sh
+ or both ECO 2013 Principles of Economics Macro and ECO 2023 Principles of Economics Micro

Concentration Tracks

Choose five courses in one of the five in one of the five tracks described below 15

Generalist Track

Choose two 5000 level courses and three 3000/4000 level courses from at least four of the following areas of concentration (15 sh):

- People and the Past # History (Common prefixes: AFH, EUH, *HIS, LAH) *
- People and Places # Anthropology and Geography (Common prefixes: *ANT, GEA, *GEO) *
- Security and Diplomacy (Common prefixes: CPO, INR) *
- International Business and Economics (Common prefixes: BUL, GEB, ECO, ECP, MAN, MAR) *

Cultural Affairs Track


Security and Diplomacy Track

Choose two 5000 level courses and three 3000/4000 level courses which are relevant to the subject areas of international relations, studies of conflict and war, diplomatic relations, international law and organizations, military issues, democratization, and politics in specific countries. (Common prefixes: CPO, INR) (15 sh)

International Business and Economics Track

Choose two 5000 level courses and three 3000/4000 level courses which are relevant to the subject areas of international trade, economic development, business, management and economics. (Common prefixes: BUL, GEB, ECO, ECP, MAN, MAR) (15 sh)

Area Studies Track (21#23 sh) **

Choose two 5000 level courses and three 3000/4000 level courses which focus on one or more countries within a specific world region (Asia, Europe, or Latin America) Course substance can deal with any aspect of these countries. (Common prefixes: *ANT, *ARH, CPO, EUH, GEA, LAH, *REL. Additionally courses in advanced reading in literature from outside the U.S. apply here.) (15 sh) *

Additionally, the student must also take two language courses (6#8 sh) related to their region of study. (Comm language prefixes: ARA, CHI, FRE, GER, JPN, POR, SPN, SPW)

* Some though not all of the courses with this prefix count.

General rule: When selecting courses for the International Studies concentration tracks, let common prefixes be the guide and any 3000/4000 level course that deals primarily with one or more countries/regions of the world (non#U.S.) typically counts. Consult your advisor if you are unsure if a course is allowable.

** 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.

International Experience

All international studies majors must complete an international experience. Study abroad or travel abroad of greater than one week fulfills this requirement. Students with extenuating circumstances can see the study abroad advisor in the Department of Government for a list of approved alternatives to fulfill this requirement.

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

CPO 2002 Comparative Politics 3
INR 2002 International Politics 3

Choose two of the following: 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3212</td>
<td>Peoples and Cultures of the World</td>
</tr>
<tr>
<td>ECO 3003</td>
<td>Principles of Economic Theory and Public Policy</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>Geography of World Affairs</td>
</tr>
</tbody>
</table>

advisor approved elective

Support Courses 6

3000/4000 level courses chosen with the advice of the program director or department chair

Total Hours 18

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.

Choose 15 sh from the following courses: 15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>
<tr>
<td>SPN 3400</td>
<td>Advanced Stylistics</td>
</tr>
<tr>
<td>SPN 3410</td>
<td>Composition and Conversation</td>
</tr>
<tr>
<td>SPN 4500</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPN 4520</td>
<td>Latin American Culture and Civilization</td>
</tr>
<tr>
<td>SPW 3190</td>
<td>Topics in Hispanic Literature</td>
</tr>
<tr>
<td>SPN 4955</td>
<td>Intensive Spanish Abroad</td>
</tr>
<tr>
<td>SPN 4905</td>
<td>Directed Study</td>
</tr>
</tbody>
</table>

Total Hours 15
Legal Studies

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in Legal Studies. The Legal Studies Program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full-time Legal Studies faculty are attorneys who are graduates of ABA-Approved law schools and are available for law school advising. Legal Studies students are encouraged to work closely with Legal Studies Advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts with a major in Legal Studies.

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.

Students may get credit for a maximum of 6 hours of Field Study / Internship / Directed Study. All PLA courses presume competency and experience with word processing, spreadsheets, databases, e-mail and Internet. Any course substitutions for specifically listed courses must be approved in advance, in writing by the Legal Studies Program Advisor.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

<table>
<thead>
<tr>
<th>Communication (p. 229)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
</tr>
<tr>
<td>ENC 1102</td>
</tr>
</tbody>
</table>

Mathematics (p. 229)

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
</tr>
<tr>
<td>MAC 2311</td>
</tr>
<tr>
<td>MGF 1106</td>
</tr>
<tr>
<td>MGF 1107</td>
</tr>
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<td>STA 2023</td>
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</table>

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>MAC 1114</td>
</tr>
<tr>
<td>MAC 1140</td>
</tr>
<tr>
<td>MAC 2233</td>
</tr>
<tr>
<td>MAC 2312</td>
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</table>

Social Sciences (p. 229)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
</tr>
<tr>
<td>ANT 2000</td>
</tr>
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<td>ECO 2013</td>
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<td>POS 2041</td>
</tr>
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<td>PSY 2012</td>
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<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
</tr>
<tr>
<td>ANT 2400</td>
</tr>
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<td>CPO 2002</td>
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<td>DEP 2004</td>
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<td>GEA 2000</td>
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<tr>
<td>GEB 1011</td>
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<tr>
<td>IDH 1041</td>
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<tr>
<td>INR 2002</td>
</tr>
<tr>
<td>MMC 2000</td>
</tr>
<tr>
<td>PLA 2013</td>
</tr>
<tr>
<td>SOW 2192</td>
</tr>
<tr>
<td>SYG 2010</td>
</tr>
</tbody>
</table>

Humanities (p. 229)
Choose one course from Group A and one additional course from either Group A or Group B  

Group A
- ARH 1000  Art Appreciation
- LIT 2000  Introduction to Literature
- MUL 2010  Music Appreciation
- PHI 2010  Introduction to Philosophy
- THE 2000  The Theatre Experience

Group B
- AML 2072  Sex, Money, and Power in American Literature
- 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
- CRW 2001  Introduction to Creative Writing
- IDH 1040  Honors Core 1
- MUH 2930  The Music Experience: Special Topics
- PHI 2103  Critical Thinking
- PHI 2603  Ethics in Contemporary Society
- REL 1300  World Religions
- THE 2300  Survey of Dramatic Literature
- SPC 2608  Basic Communication Skills

Legal Studies students planning to take the LSAT and seek admission to law school are encouraged to take courses that will strengthen their written and verbal communication skills as these are needed to be successful in law school.

Major
- UWF Legal Studies Core - minimum “C” required in all  
  - PLA 2013  Survey of American Law  
  - PLA 3020  Law and Society  
  - PLA 3703  The Legal System and Ethics  
  - PLA 3103  Legal Research and Writing  
  - PLA 4155  Legal Advocacy  

Total Hours 24
PLA 2013 Survey of American Law 3
PLA 3020 Law and Society 3
Choose one: 3
   PLA 4263 Evidence
   PLA 4885 Constitutional Law for the Legal Professional
Choose two: 6
   3000/4000 level Legal Studies (PLA) courses (3-6 sh)

Upper-Division Electives

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.

PLA 2013 Survey of American Law 3
PLA 3020 Law and Society 3
Choose one: 3
   PLA 4263 Evidence
   PLA 4885 Constitutional Law for the Legal Professional
Choose two: 6
   3000/4000 level Legal Studies (PLA) courses (3-6 sh)

University of West Florida - Undergraduate
Management

The B.S.B.A. in Management is an included program in the University’s accreditation by AACSB International.

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. Students choose one of two specializations.

Management Specialization

This specialization prepares students for a broad range of managerial and leadership positions in various organizations. It emphasizes on understanding organizational processes; identifying constraints, inefficiencies and conflicts within an organization; utilizing conceptual, analytical and technical management-oriented methodologies to enhance an organization’s core competencies and improve utilization of its resources; and devise operational and strategic plans to achieve organizational goals and objectives.

Human Resources Management Specialization

This specialization focuses on issues related to the management of people as the most valuable resource within an organization. It emphasizes on a comprehensive understanding of issues involved with workforce management and required core competencies therewith in modern business organizations where employees are regarded as human capital, and effective people management is perceived as the impetus for development of successful long-term competitive strategies.

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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 232)

<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>
</tbody>
</table>

Mathematics (p. 232)

<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></td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
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</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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</tbody>
</table>

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
<td></td>
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<td>Introduction to Anthropology</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
</tbody>
</table>

Social Sciences (p. 232)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
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<tr>
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<tr>
<td>GEA 2000</td>
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<tr>
<td>GEB 1011</td>
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<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td></td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td></td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

Humanities (p. 232)
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
<td></td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td></td>
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<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
</tr>
<tr>
<td>ARH 2050</td>
</tr>
<tr>
<td>ARH 2051</td>
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<tr>
<td>ART 1015C</td>
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<td>ART 2821</td>
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<tr>
<td>CRW 2001</td>
</tr>
<tr>
<td>IDH 1040</td>
</tr>
<tr>
<td>MUH 2930</td>
</tr>
<tr>
<td>PHI 2103</td>
</tr>
<tr>
<td>PHI 2603</td>
</tr>
<tr>
<td>REL 1300</td>
</tr>
<tr>
<td>THE 2300</td>
</tr>
<tr>
<td>SPC 2608</td>
</tr>
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</table>

**Natural Sciences (p. 232)**

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
</tr>
<tr>
<td>BSC 1005</td>
</tr>
<tr>
<td>BSC 1085</td>
</tr>
<tr>
<td>BSC 2010</td>
</tr>
<tr>
<td>CHM 1020</td>
</tr>
<tr>
<td>CHM 2045</td>
</tr>
<tr>
<td>ESC 2000</td>
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<td>EVR 2001</td>
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<tr>
<td>PHY 1020</td>
</tr>
<tr>
<td>PHY 2048</td>
</tr>
<tr>
<td>PHY 2048C</td>
</tr>
<tr>
<td>PHY 2053</td>
</tr>
</tbody>
</table>

**Group B**

| ANT 2511 | Biological Anthropology |
| BOT 2010 | General Botany |
| BSC 1050 | Fundamentals of Ecology |
| BSC 2011 | Biology II |
| BSC 2311 | Introduction to Oceanography and Marine Biology |
| CGS 2060 | Excursions in Computing |
| CHM 1032 | Fundamentals of General Chemistry |
| CHM 2046 | General Chemistry II |
| CIS 2530 | Introduction to Cyber Security |
| GEO 1200 | Physical Geography |
| GLY 2010 | Physical Geology |
| MCB 1000 | Fundamentals of Microbiology |
| PHY 2049 | University Physics II |
| PHY 2054 | General Physics II |

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 232)**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Management majors should take the following courses to satisfy components of the General Education curriculum courses:

<table>
<thead>
<tr>
<th>Humanities</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

ACG 2021 Principles of Financial Accounting 3
**Human Resource Management**

The certificate in Human Resources Management focuses on elements of statistics, calculus with business applications, and principles of economics micro.

**Semester Hours:** 12

**Method of Instruction:** Classroom

**Department:** Management

**Human Resource Management Certificate**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

**Total Hours: 21**

* Indicates common prerequisites which can be used to satisfy General Education 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: 3-12**

**College of Business BSBA Core**

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester 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>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours: 30**

**College of Business Undergraduate Transfer Credit Policy**

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida's Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

**Upper Division**

**Human Resource Management Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

**Total Hours: 24**

**Major-Related**

Two 3000/4000 advisor-approved major-related electives

**Total Hours: 6**

* Courses included in the major GPA

**Management Specialization**

MAN 3240 Behavior in Organizations
MAN 3301 Human Resources Management
MAN 3550 Introduction to Management Science
MAN 4750 The Future: Projecting, Planning and Managing
Three 3000/4000 level advisor-approved Management/MIS (MAN/ISM) courses

**Total Hours: 21**

**Major-Related**

One 3000/4000 level advisor-approved College of Business elective
One 3000/4000 level advisor-approved elective outside College of Business
One 3000/4000 level advisor-approved Management/MIS (MAN/ISM) course or an advisor-approved major-related elective

**Total Hours: 9**

* Courses included in the major GPA

**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 Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>&amp; 2071 Principles of Managerial Accounting</td>
<td></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 (MAN) courses</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 3003</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: 18**

* May include HSA 4110 Health Care Policy and Administration

**Certificates**

**Human Resources Management Certificate**

**Department:** Management

**Method of Instruction:** Classroom

**Semester Hours:** 12

The 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.

In addition to meeting general UWF requirements, participants must successfully complete the following courses earning a grade of “C” (2.0) or better in each course, and secure a combined grade point average of 2.5 or higher for the course required by the certificate. At least 9 sh must be completed at UWF College of Business. All prerequisites must be met in order to enroll in these courses. This certificate is not available to those who are pursuing (or have already earned) the Human Resource Management specialization.

MAN 3301 Human Resources Management 3
MAN 4330 Compensation and Benefits 3
MAN 4350 Recruitment and Selection 3
MAN 4341 Performance Management 3

Total Hours 12

Management Development Certificate

Department: Management
Method of Instruction: Classroom
Semester Hours: 12

Program Requirements: in addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of “C” (2.0) or better in each course, and secure a combined grade point average of 2.5 or higher for the course required by the certificate. A minimum of three courses must be completed at UWF.

Either initially, or after a few years in a professional situation, most people will be promoted to positions of management. For those who wish to earn additional credentials qualifying them to move into those management positions, while staying within their current degree program, the Department of Management and MIS has implemented the Management Development certificate program. The Management Development Certificate requires the successful completion of four courses (12 semester hours) in Management with a grade of at least a “C” (2.0) in each course. One course is required MAN 3025 - Management Fundamentals. The person pursuing the certificate selects the three additional courses with assistance from an academic advisor to round out his or her background in the most beneficial manner. For instance, those who wish more of a human resource orientation may elect to take Organizational Behavior, Human Resource Management, and Management of Diversity as the three courses. Those who wish more of a quantitative side might take Management Science, Operations Management, and Policy Analysis and Formulation Analysis. The three courses must be from the Department of Management and MIS and must be junior or senior-level courses.

Management majors or Management minors may not earn this undergraduate certificate.

MAN 3025 Management Fundamentals 3

Three additional Management (MAN) 3000/4000 level courses 9

Total Hours 12

Small Business Management/Entrepreneurship Certificate

Department: Management
Method of Instruction: Classroom
Semester Hours: 12

For those who need to manage a small business or those who aspire to start their own business, an understanding of how to manage a small business, develop a business plan, manage employees, and manage projects is crucial. This complex skill set is not only useful when one wants to manage a small business or start an entrepreneurial venture but also is an important selling point for job applicants. The Certificate in Small Business Management/Entrepreneurship helps provide this background. In many cases, the courses within the Certificate program can be taken as a part of the requirements, or as electives, within the student’s regular degree program. The certificate requires the successful completion of four Management courses listed below with a grade of at least a “C” (2.0) for each course. A minimum of three of the four courses must be completed at UWF. Participants must secure a combined grade point average of 2.5 or higher for the course required by the certificate. A minimum of three courses must be completed at the UWF.

This is an undergraduate certificate program.

MAN 3301 Human Resources Management 3
MAN 3583 Project Management 3
MAN 3802 Small Business/Family Business Management 3
MAN 4801 Business Plan Development for New Ventures 3

Total Hours 12
Management Information Systems

The B.S.B.A. in Management Information Systems is an included program in the University’s accreditation by AACSB International.

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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 236)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>ENC 1102</td>
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Mathematics (p. 236)

Choose one course from Group A and one Additional course from either Group A or Group B

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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 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</table>

Social Sciences (p. 236)

Choose one course from Group A and one additional course from either Group A or Group B

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<th>Course</th>
<th>Title</th>
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<td>AMH 2020</td>
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<tr>
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<tr>
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<tr>
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<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>
<td></td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
<td></td>
</tr>
<tr>
<td>EUH 1000</td>
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</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
<td></td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
<td></td>
</tr>
<tr>
<td>GEB 2000</td>
<td>Nations and Regions of the World</td>
<td></td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td></td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td></td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td></td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td></td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

Humanities (p. 236)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
<td></td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
<td></td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Western Survey I: Greek to Renaissance</td>
<td></td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Western Survey II: Baroque to Contemporary</td>
<td></td>
</tr>
<tr>
<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
<td></td>
</tr>
<tr>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
<td></td>
</tr>
<tr>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
<td></td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
<td></td>
</tr>
<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
<td></td>
</tr>
<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
<td></td>
</tr>
<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
<td></td>
</tr>
<tr>
<td>REL 1300</td>
<td>World Religions</td>
<td></td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
<td></td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

Natural Sciences (p. 236)
Choose one course from Group A and one additional course from either Group A or Group B.

### Group A
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

### Group B
- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* May be taken with or without lab.
** General Physics is non-calcus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives
(p. 236)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

### Management Information Systems should take the following courses to satisfy components of the General Education curriculum courses:
- Humanities: 3
  - SPC 2608: Basic Communication Skills
- Mathematics: 6
  - STA 2023: Elements of Statistics
  - MAC 2233: Calculus with Business Applications
- Social Sciences: 3
  - 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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

* Indicates common prerequisites which can be used to satisfy General Education 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: 3-12

### Upper Division

#### College of Business BSBA Core
All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</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>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 30

### College of Business Undergraduate Transfer Credit Policy
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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida’s Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

### Management Information Systems Specialization

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>QMB 3820</td>
<td>Introduction to Quantitative Models for Business Decisions</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3235</td>
<td>Business Development Environments</td>
<td>3</td>
</tr>
</tbody>
</table>

University of West Florida - Undergraduate
Systems majors may not earn this minor. Management Information Systems requires completion of the following courses with a grade of “C” or higher. At least 9 sh must be completed at UWF College of Business. This minor is not available to those who are pursuing (or have already earned) the Information Security Management minor.

ISM 4113 Business Systems Design 3
ISM 4114 Business Information Systems Development 3
ISM 4400 Decision Support and Data Integration Systems 3
ISM 4483 Business Data Communication 3

Choose one of the following: 3
- ISM 4481 Business Data Management
- COP 4710 Database Systems

Two 3000/4000 advisor-approved Management/MIS (MAN/ISM) courses 6

Total Hours 27

Major-Related

One 3000/4000 level advisor-approved Management/MIS (MAN/ISM) course or an advisor-approved major-related elective 3

+ Courses included in the major GPA

Minors

Business Intelligence

The minor in Business Intelligence focuses on analytical as well as managerial skills required to handle “big” data. It requires completion of the following courses with a grade of “C” or higher. At least 9 sh must be completed at UWF College of Business. This minor is not available to those who are pursuing (or have already earned) the Business Intelligence certificate.

ISM 3011 e-Business Systems Fundamentals 3
ISM 4481 Business Data Management 3
ISM 3116 Business Intelligence Fundamentals 3
ISM 4117 Business Intelligence Applications 3

Choose one of the following two courses: 3
- QMB 3820 Introduction to Quantitative Models for Business Decisions
- MAN 3550 Introduction to Management Science

Total Hours 15

Information Security Management

The minor in Information Security Management focuses on various aspects of information and cybersecurity security from a nontechnical managerial standpoint. It requires completion of the following courses with a grade of “C” or higher. At least 9 sh must be completed at UWF College of Business. This minor is not available to those who are pursuing (or have already earned) the Information Security Management certificate.

ISM 3011 e-Business Systems Fundamentals 3
ISM 3323 Information Security Management 3
ISM 4483 Business Data Communication 3
ISM 4320 Legal, Ethical, and Human Aspects of Cybersecurity 3
ISM 4321 Cybersecurity Risk Management 3

Total Hours 15

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 must be completed at UWF College of Business. Management Information Systems majors may not earn this minor.

ISM 3011 e-Business Systems Fundamentals 3
ISM 4113 Business Systems Design 3

Choose one of the following: 3
- ISM 4481 Business Data Management
- ISM 4483 Business Data Communication

Total Hours 15

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:

- one foundation course (3 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.

ISM 3011 e-Business Systems Fundamentals 3
Choose four of the following
- CIS 4340 Web Server Technologies
- COP 2253 Programming Using Java
- COP 3813 Server-Side Programming
- ISM 4113 Business Systems Design
- ISM 4114 Business Information Systems Development
- ISM 4481 Business Data Management
- ISM 4483 Business Data Communication
- MAR 4721 Digital Marketing
- MAR 4728 High Tech Product Marketing Strategy

Total Hours 15

Certificates

Business Intelligence Certificate

The Business Intelligence Certificate program has been designed to cover the managerial aspects of business intelligence related skills that are required to handle “big” data in the modern business world. The certificate requires completion of the following courses with a grade of “C” or higher. At least 9 sh must be completed at UWF College of Business. All prerequisites must be met in order to enroll in these courses. Participants must secure a combined grade point average of 2.5 or higher for the course required by the certificate. Business Intelligence minors may not earn this certificate.

ISM 3011 e-Business Systems Fundamentals 3
Choose four of the following
- CIS 4340 Web Server Technologies
- COP 2253 Programming Using Java
- COP 3813 Server-Side Programming
- ISM 4113 Business Systems Design
- ISM 4114 Business Information Systems Development
- ISM 4481 Business Data Management
- ISM 4483 Business Data Communication
- MAR 4721 Digital Marketing
- MAR 4728 High Tech Product Marketing Strategy

Total Hours 15

Information Security Management Certificate

This certificate program is designed to address the non-technical aspects of information security. These include policy development and management, compliance management, security education, training and awareness (SETA) programs, and the use of encryption technologies. The program will also address the personnel and risk analysis aspects of information security. Participants must successfully complete the following courses earning a grade of “C” (2.0) or better in each course, and secure a combined grade point average of 2.5 or
higher for the course required by the certificate. At least 9 sh must be completed at UWF College of Business. All prerequisites must be met in order to enroll in these courses. Information Security Management minors may not earn this certificate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3011</td>
<td>e-Business Systems Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3323</td>
<td>Information Security Management</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4483</td>
<td>Business Data Communication</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4320</td>
<td>Legal, Ethical, and Human Aspects of Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</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 seven 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 seven biology core courses.

Consult with your academic advisor for courses which may satisfy both the General Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements” section of this catalog.

General Education Curriculum:

Communication (p. 240)

ENC 1101  English Composition I  3
ENC 1102  English Composition II  3

Mathematics (p. 240)

Choose one course from Group A and one Additional course from either Group A  6 or Group B

Group A

MAC 1105  College Algebra
MAC 2311  Analytic Geometry and Calculus I
MGF 1106  Mathematics for Liberal Arts I
MGF 1107  Mathematics for Liberal Arts II
STA 2023  Elements of Statistics

Group B

MAC 1114  Trigonometry
MAC 1140  Precalculus Algebra
MAC 2233  Calculus with Business Applications
MAC 2312  Analytic Geometry and Calculus II

Social Sciences (p. 240)

Choose one course from Group A and one additional course from either Group A  6 or Group B

Group A

AMH 2020  United States since 1877
ANT 2000  Introduction to Anthropology
ECO 2013  Principles of Economics Macro
POS 2041  American Politics
PSY 2012  General Psychology
SYG 2000  Introduction to Sociology

Group B

AMH 2010  United States to 1877
ANT 2400  Current Cultural Issues
ANT 2100  Introduction to Archaeology
CCJ 2002  Survey of Crime and Justice
CPO 2002  Comparative Politics
DEP 2004  Human Development Across the Lifespan
EUH 1000  Western Perspectives I
EUH 1001  Western Perspectives II
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
SOW 2192  Understanding Relationships in the 21st Century
SYG 2010  Current Social Problems

Humanities (p. 240)

Choose one course from Group A and one additional course from either Group A  6 or Group B

Group A

ARH 1000  Art Appreciation
LIT 2000  Introduction to Literature
MUL 2010  Music Appreciation
PHI 2010  Introduction to Philosophy
THE 2000  The Theatre Experience

Group B

AML 2072  Sex, Money, and Power in American Literature
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
CRW 2001  Introduction to Creative Writing
IDH 1040  Honors Core 1
MUH 2930  The Music Experience: Special Topics
PHI 2103  Critical Thinking
PHI 2603  Ethics in Contemporary Society
REL 1300  World Religions
THE 2300  Survey of Dramatic Literature
SPC 2608  Basic Communication Skills

Natural Sciences (p. 240)
Choose one course from Group A and one additional course from either Group A or Group B.

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 2010 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives**
(p. 240)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences.

**Marine Biology majors** should satisfy the mathematics (6 sh) and natural science (7 sh) components of General Education 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 Education.

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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:
ZOO 4457  Fish Physiology
PCB 4482  Quantitative Ecology
ZOO 4485  Marine Mammalogy
ZOO 4513  Animal Behavior
PCB 5344  Tropical Ecology/Op Wall

Biology directed studies (2 hours maximum)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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**Major-Related**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 4173</td>
<td>Biostatistics</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Hours</td>
<td>7</td>
</tr>
</tbody>
</table>

* Students must take 8 sh that were not completed as part of the Common Prerequisites in the lower division

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: BCH, BOT, BSC, PCB, MCB, ZOO, and HSC.
Maritime Studies

Program Contact: J.R. Bratten (jbratten@uwf.edu) (Dept. of Anthropology (http://uwf.edu/anthropology))

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:

- Political Science
- Pre-Law
- Public Administration
- Spanish
- Earning the certificate in GIS

General Studies

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Studies Curriculum:

Communication (p. 243)

ENC 1101  English Composition I  3
ENC 1102  English Composition II  3

Mathematics (p. 243)

Choose one course from Group A and one Additional course from either Group A or Group B  6

Group A
MAC 1105  College Algebra
MAC 2311  Analytic Geometry and Calculus I
MGF 1106  Mathematics for Liberal Arts I
MGF 1107  Mathematics for Liberal Arts II
STA 2023  Elements of Statistics

Group B
MAC 1114  Trigonometry
MAC 1140  Precalculus Algebra
MAC 2233  Calculus with Business Applications
MAC 2312  Analytic Geometry and Calculus II

Social Sciences (p. 243)
Choose one course from Group A and one additional course from either Group A or Group B  

### Group A

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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</tbody>
</table>

### Group B

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
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<td>SOW 2192</td>
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</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

### Humanities (p. 243)

Choose one course from Group A and one additional course from either Group A or Group B

### Group A

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
</tr>
</tbody>
</table>

### Group B

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
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<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<tr>
<td>PHI 2103</td>
<td>Critical Thinking</td>
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<tr>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
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<td>REL 1300</td>
<td>World Religions</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
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</table>

### Natural Sciences (p. 243)

Choose one course from Group A and one additional course from either Group A or Group B

### Group A

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>AST 1002</td>
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<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
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<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
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### Group B

<table>
<thead>
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<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<td>BOT 2010</td>
<td>General Botany</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<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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<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
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<td>CHM 2046</td>
<td>General Chemistry II</td>
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<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
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<td>GEO 1200</td>
<td>Physical Geography</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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<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives (p. 243)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 Social Science Breadth or Social Science Elective.

### 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>ANT 1138</td>
<td>Introduction to Maritime Studies</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>BSC 2311L</td>
<td>Introduction to Oceanography and Marine Biology (+Lab)</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
</tbody>
</table>
### 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 Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II *</td>
<td>3</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics *</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>4</td>
</tr>
<tr>
<td>GLY 2010+L</td>
<td>Physical Geology (+Lab)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours**: 24

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

### 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**: 0-6

### 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>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<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>
<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

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### Major-Related

3000/4000 level advisor-approved electives +

**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
Marketing

The B.S.B.A. in Marketing is an included program in the University’s accreditation by AACSB International.

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.

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 Education requirements and common prerequisites.

With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 246)

<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>
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<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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Mathematics (p. 246)

Choose one course from Group A and one additional course from either Group A or Group B

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<thead>
<tr>
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<tr>
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<td>College Algebra</td>
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<tr>
<td>MAC 2311</td>
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<tr>
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<td>Mathematics for Liberal Arts I</td>
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<tr>
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<td>Mathematics for Liberal Arts II</td>
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<td>Elements of Statistics</td>
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<th>Group B</th>
<th>Course</th>
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<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
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<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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Social Sciences (p. 246)

Choose one course from Group A and one additional course from either Group A or Group B

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<th>Course</th>
<th>Title</th>
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<td>United States since 1877</td>
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<td>PSY 2012</td>
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General Education Curriculum:

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Mathematics (p. 246)

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Social Sciences (p. 246)

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<td>Western Perspectives II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
<td></td>
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<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
<td></td>
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</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
<td></td>
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<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
<td></td>
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</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Choose one course from Group A and one additional course from either Group A or Group B  

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
</tr>
<tr>
<td>LIT 2000 Introduction to Literature</td>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>MUL 2010 Music Appreciation</td>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
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<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>ART 1015C Exploring Artistic Vision</td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td>ART 2821 Art and Visual Culture Today</td>
</tr>
<tr>
<td>CRW 2001 Introduction to Creative Writing</td>
<td>IDH 1040 Honors Core 1</td>
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<tr>
<td>IDH 1040 Honors Core 1</td>
<td>MUL 2930 The Music Experience: Special Topics</td>
</tr>
<tr>
<td>PHI 2103 Critical Thinking</td>
<td>PHI 2603 Ethics in Contemporary Society</td>
</tr>
<tr>
<td>REL 1300 World Religions</td>
<td>SPC 2608 Basic Communication Skills</td>
</tr>
<tr>
<td>THE 2300 Survey of Dramatic Literature</td>
<td></td>
</tr>
</tbody>
</table>

Natural Sciences (p. 246)

** 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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 246)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Marketing majors should take the following courses to satisfy components of the General Education curriculum courses:

<table>
<thead>
<tr>
<th>Humanities</th>
<th>Mathematics</th>
<th>Social sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 2608 Basic Communication Skills</td>
<td>STA 2023 Elements of Statistics</td>
<td>ECO 2013 Principles of Economics Macro</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.
ACG 2071  Principles of Managerial Accounting  3
CGS 2570  Personal Computer Applications  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  21

* Indicates common prerequisites which can be used to satisfy General Education 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  3-12

College of Business BSBA Core

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

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  Strategic Management  3
MAR 3023  Marketing Fundamentals  3

Total Hours  30

College of Business Undergraduate Transfer Credit Policy

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida's Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

Comprehensive Marketing Specialization

Major

Comprehensive Marketing Specialization

MAR 3503  Consumer Behavior  3

Total Hours  3

Global Marketing Specialization

Major

Global Marketing Specialization

MAR 3503  Consumer Behavior  3
MAR 4156  Seminar in International Marketing  3
MAR 4613  Marketing Research  3
MAR 4803  Marketing Strategy  3

Three advisor-approved marketing courses taken at a UWF partner University abroad  9

3000/4000 level Marketing (MAR) elective  3

Total Hours  24

Major-Related

3000/4000 level advisor-approved courses  6

Total Hours  6

+ Courses included in the major GPA

Sales Management Specialization

Major

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

+ Courses included in the major GPA

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 3
& ACG 2071  and Principles of Managerial Accounting 3
ECO 3003  Principles of Economic Theory and Public Policy 3
or ECO 2013  Principles of Economics Macro 3
& ECO 2023  and Principles of Economics Micro 3
FIN 3403  Managerial Finance 3
MAN 3025  Management Fundamentals 3
MAR 3023  Marketing Fundamentals 3
3000/4000 level Business elective 3

Total Hours 18

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.

MAR 3023  Marketing Fundamentals 3
MAR 4412  Professional Selling Methods 3
3000/4000 level Marketing (MAR) Electives 6
Choose one of the following: 3
ACG 2021  Principles of Financial Accounting 3
ACG 3082  Accounting for Non-Majors 3
Choose one of the following: 3
ECO 2013  Principles of Economics Macro 3
ECO 3003  Principles of Economic Theory and Public Policy 3

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.

MAR 3023  Marketing Fundamentals 3
Choose four of the following: 12
MAR 3370  Information Sources for Business Decisions 3
MAR 3503  Consumer Behavior 3
MAR 4231  Retail Strategy 3
MAR 4324  Integrated Marketing Communications: Principles 3
MAR 4403  Sales Management 3
MAR 4412  Professional Selling Methods 3
MAR 4721  Digital Marketing 3
MAR 4841  Services Marketing 3
3000/4000 (Marketing advisor approved) 3

Total Hours 15

Certificates

Digital Marketing Certificate

Department: Marketing

Semester Hours: 12

Program Requirements: in addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of “C” (2.0) or better in each course, and secure a combined grade point average of 2.5 or higher for the courses required by the certificate.

MAR 3023  Marketing Fundamentals 3
MAR 4721  Digital Marketing 3
MAR 4236  Social Media Marketing 3
Choose one of the following: 3
MAR 4841  Services Marketing 3
MAR 4613  Marketing Research 3
MAR 3860  Customer Relationship Management 3

Total Hours 12

Sales Management Certificate

Department: Marketing

Semester Hours: 12

Program Requirements: in addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of “C” (2.0) or better in each course, and secure a combined grade point average of 2.5 or higher for the courses required by the certificate.

MAR 3023  Marketing Fundamentals 3
MAR 4403  Sales Management 3
MAR 4412  Professional Selling Methods 3
One marketing elective 3

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 250)

<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>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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</table>

Mathematics (p. 250)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td></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>
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Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 250)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td></td>
</tr>
<tr>
<td>PSY 212</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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</tbody>
</table>

Group B

<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>ANT 2400</td>
<td>Current Cultural Issues</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCH 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<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>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>
</tr>
<tr>
<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>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 250)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
<td></td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>PHI 2100</td>
<td>Introduction to Philosophy</td>
<td></td>
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<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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</tr>
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</table>

Group B

<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>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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
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<td>MUH 2000</td>
<td>The Music Experience: Special Topics</td>
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<td>PHI 2103</td>
<td>Critical Thinking</td>
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<td>PHI 2103</td>
<td>Ethics in Contemporary Society</td>
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<tr>
<td>REL 1300</td>
<td>World Religions</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 250)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
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<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
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<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
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<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
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<td>BOT 2010</td>
<td>General Botany</td>
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<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
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<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
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<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet 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 1

Major

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>MAS 3105</td>
<td>Linear Algebra</td>
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<tr>
<td>STA 3162C</td>
<td>Applied Statistics</td>
</tr>
<tr>
<td>MGF 3202</td>
<td>Set Theory and Mathematical Logic</td>
</tr>
<tr>
<td>MAD 4401</td>
<td>Numerical Analysis</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Introduction to Mathematical Statistics</td>
</tr>
<tr>
<td>STA 4211</td>
<td>Advanced Calculus I</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>Abstract Algebra</td>
</tr>
<tr>
<td>MAT 4500</td>
<td>Undergraduate Proseminar in Mathematics/Statistics</td>
</tr>
</tbody>
</table>

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.
Mechanical Engineering

The Bachelor of Science in Mechanical Engineering is provided by the Department of Engineering.

The goal of the baccalaureate degree program is to prepare students to embark upon a professional career in Mechanical 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 mechanical 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.

Mechanical Engineering is one of the largest, broadest, and oldest of the engineering disciplines. It is the engineering discipline that applies the principles of engineering, materials science, thermal sciences, mechanics, mathematics and physics for the design, analysis, manufacturing, and maintenance of mechanical systems. Because of the extremely rapid growth and changes relating to the application of mechanical engineering principles, the curriculum is designed to concentrate on a solid core of foundation courses. Electives are included to permit a student to delve deeply into selected subject matter and to learn other pertinent subjects.

Mechanical Engineers are capable of working in a wide variety of industry sectors, including aerospace, manufacturing, energy, environment, transportation, materials, and structures.

Program Requirements:

Students are required to have a laptop or tablet PC. Students should check with the department for minimum hardware configurations.

Please visit our website for more information about our program, including a list of department scholarships and answers to some frequently asked questions.

In addition to the university’s general requirements, students seeking the BSME must meet the requirements listed below.

A minimum course grade of “C” or better is required in certain Engineering courses as well as all math, science, and engineering courses that serve as prerequisites to EGN, EGM, EML, and EEL prefixed courses and labs. See program requirements below for a full set of courses that require a grade of “C” or better.

The mechanical 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.

All students must complete an exit interview and submit a final copy of their senior design report before graduating.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 252)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
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<tr>
<td>ENC 1102</td>
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Mathematics (p. 252)

<table>
<thead>
<tr>
<th>Group</th>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>MAC 1105</td>
<td>College 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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<td>STA 2023</td>
<td>Elements of Statistics</td>
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<td>B</td>
<td>MAC 1114</td>
<td>Trigonometry</td>
</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 Applications</td>
</tr>
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<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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Social Sciences (p. 252)

<table>
<thead>
<tr>
<th>Group</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
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<td>United States since 1877</td>
</tr>
<tr>
<td></td>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td></td>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<td></td>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td></td>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>B</td>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<th>Group</th>
<th>Course Code</th>
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<tr>
<td>A</td>
<td>AMH 2010</td>
<td>United States since 1877</td>
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<tr>
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<td>ANR 2400</td>
<td>Current Cultural Issues</td>
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<td>ANT 2100</td>
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<td>CCJ 2002</td>
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<td>Comparative Politics</td>
</tr>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<tr>
<td></td>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
<tr>
<td></td>
<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>GEB 1011</td>
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<td>IDH 1041</td>
<td>Honors Core 2</td>
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<td></td>
<td>INR 2002</td>
<td>International Politics</td>
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<td></td>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
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<td></td>
<td>PLA 2013</td>
<td>Survey of American Law</td>
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<td></td>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td></td>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</table>

Humanities (p. 252)

<table>
<thead>
<tr>
<th>Group</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
</table>

252
Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
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<tbody>
<tr>
<td>ARH 1000 Art Appreciation</td>
<td>AML 2072 Sex, Money, and Power in American Literature</td>
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<tr>
<td>LIT 2000 Introduction to Literature</td>
<td>ARH 2050 Western Survey I: Greek to Renaissance</td>
</tr>
<tr>
<td>MUL 2010 Music Appreciation</td>
<td>ARH 2051 Western Survey II: Baroque to Contemporary</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>ART 1015C Exploring Artistic Vision</td>
</tr>
<tr>
<td>THE 2000 The Theatre Experience</td>
<td>ART 2821 Art and Visual Culture Today</td>
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<td>CRW 2001 Introduction to Creative Writing</td>
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<td>IDH 1040 Honors Core 1</td>
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<td>MUL 2930 The Music Experience: Special Topics</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 World Religions</td>
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<td></td>
<td>THE 2300 Survey of Dramatic Literature</td>
</tr>
<tr>
<td></td>
<td>SPC 2608 Basic Communication Skills</td>
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</tbody>
</table>

Natural Sciences (p. 252)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002 Descriptive Astronomy</td>
<td>ANT 2511 Biological Anthropology</td>
</tr>
<tr>
<td>BSC 1005 General Biology for Non-Majors</td>
<td>BOT 2010 General Botany</td>
</tr>
<tr>
<td>BSC 1085 Anatomy and Physiology I</td>
<td>BSC 1050 Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 2010 Biology I</td>
<td>BSC 1086 Anatomy and Physiology II *</td>
</tr>
<tr>
<td>CHM 1020 Concepts in Chemistry</td>
<td>BSC 2011 Biology II</td>
</tr>
<tr>
<td>CHM 2045 General Chemistry I</td>
<td>BSC 2311 Introduction to Oceanography and Marine Biology *</td>
</tr>
<tr>
<td>ESC 2000 Introduction to Earth Science</td>
<td>CHM 1032 Fundamentals of General Chemistry *</td>
</tr>
<tr>
<td>EVR 2001 Introduction to Environmental Science</td>
<td>CHM 2046 General Chemistry II *</td>
</tr>
<tr>
<td>PHY 1020 Introduction to Concepts in Physics</td>
<td>CIS 2530 Introduction to Cyber Security</td>
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<tr>
<td>PHY 2048 University Physics I</td>
<td>GEO 1200 Physical Geography</td>
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<td>PHY 2048C University Physics I - Studio</td>
<td>GLY 2010 Physical Geology *</td>
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<tr>
<td>PHY 2053 General Physics I **</td>
<td>MCB 1000 Fundamentals of Microbiology *</td>
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<tr>
<td></td>
<td>PHY 2049 University Physics II **</td>
</tr>
<tr>
<td></td>
<td>PHY 2054 General Physics II *</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 252)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

In order to minimize the number of courses required, students should consult with their academic advisor for courses which will satisfy both the General Education requirements and common prerequisites. For example, students can take MAC 2311 Analytic Geometry and Calculus I or MAC 2312 Analytic Geometry and Calculus II to complete the Mathematics requirement. The sciences listed in the Common Prerequisites section will also fulfill the General Education Natural Science requirement. To maximize the overlap, one of the two General Education Electives should be taken in the Natural Sciences, specifically CHM 2045 General Chemistry I, PHY 2048 University Physics I, or PHY 2049 University Physics II.

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 (https://dlss.flvc.org/manuals/
Students who have not completed the math and science prerequisites will be admitted to Pre-Mechanical Engineering, then changed to Mechanical Engineering once they have successfully completed the courses. A minimum of a "C" grade is required in the math and science courses below prior to admission to the Mechanical Engineering program. Note that the labs are required for Physics and Chemistry, but a "C" is not required (although a passing grade is required).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>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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<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</td>
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<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3</td>
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<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>
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</tbody>
</table>

**Total Hours** 27

* Indicates common prerequisites which can be used to satisfy General Education 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>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3111+L</td>
<td>Circuits I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3211+L</td>
<td>Basic Electric Energy Engineering (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>EGM 2500</td>
<td>Engineering Mechanics-Statics * c</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3365</td>
<td>Engineering Materials * c</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3401</td>
<td>Engineering Mechanics-Dynamics * c</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3344</td>
<td>Numerical Methods * c</td>
<td>3</td>
</tr>
<tr>
<td>EGN 2911L</td>
<td>Sophomore Engineering Design I * c</td>
<td>1</td>
</tr>
<tr>
<td>EGN 2912L</td>
<td>Sophomore Engineering Design II * c</td>
<td>1</td>
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<td>EGN 3913L</td>
<td>Junior Engineering Design I * c</td>
<td>1</td>
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<tr>
<td>EGN 3914L</td>
<td>Junior Engineering Design II * c</td>
<td>1</td>
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<tr>
<td>EML 3022</td>
<td>Computer Aided Design and Modeling * c</td>
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</tr>
<tr>
<td>EML 3015</td>
<td>Thermal Fluid Systems * c</td>
<td>3</td>
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<tr>
<td>EML 3016+L</td>
<td>Thermal Fluid Systems II (+Lab)</td>
<td>4</td>
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<td>EML 3500</td>
<td>Machine Design *</td>
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<tr>
<td>EML 3011+L</td>
<td>Mechanics of Materials (+Lab) * c</td>
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<td>EML 4804+L</td>
<td>Mechatronic Systems (+Lab)</td>
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<td>EML 4225</td>
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<td>EGN 4950</td>
<td>Capstone Design I *</td>
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<tr>
<td>EGN 4952L</td>
<td>Capstone Design II *</td>
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<tr>
<td>EGS 4032</td>
<td>Professional Ethics *</td>
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</table>

**Mechanical Engineering Electives** 21

**Total Hours** 75

1. Mechanical Engineering Elective restrictions: Any 3000 level or higher EML, EGM, EEL, EEE course, as well as other courses (which must be preapproved by your advisor). At least 2 courses must be in Thermal Systems or Mechanical Systems.

2. Note that EGN 4950 Capstone Design I and EGN 4952L 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 their academic advisor in order to register for them.

**Major-Related**

<table>
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<td>EGS 3441</td>
<td>Engineering Statistics</td>
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<tr>
<td>EGS 1006</td>
<td>Introduction to Engineering * c</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Hours** 4

3. Students who begin their Mechanical program as sophomores or higher may replace this with a professional development elective. 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, professional writing courses, courses from other STEM fields, and business courses.

4. Students who begin their Mechanical program as juniors or higher may replace these credits with a professional development elective.

5. These courses require a minimum grade of a C. Note: C- is not acceptable. Other courses may also require a C if they are prerequisites to electives that you choose.

6. Courses included in the major GPA
Microsoft Certified Systems Administration Certificate

Department: Computer Science
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>
</thead>
<tbody>
<tr>
<td>CGS 3284</td>
<td>Network Management and Design</td>
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<tr>
<td>Total Hours</td>
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<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 be enrolled in applied lessons in every semester (excluding Summer) until graduation.
- Every student enrolled in applied lessons must participate each semester in a major ensemble sponsored by the department (Symphonic Band, Chorus, Jazz Band or Orchestra). Exceptions will be made only if students are completing a teaching internship.
- All majors must attend the weekly Student Recital Hour and perform as recommended by their applied professor. Majors are required to perform at least once during the semester. Student Recital Hour is a component of applied lessons (not a separate class).
- 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.
- All students must earn a minimum grade of "C-" in all major courses or the course 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 UWF Piano Proficiency is not required.
- 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 upper division music theory courses—Structure and Style, Instrumentation, or Counterpoint.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

<table>
<thead>
<tr>
<th>Communication (p. 256)</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101 3</td>
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<tr>
<td>ENC 1102 3</td>
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<table>
<thead>
<tr>
<th>Mathematics (p. 256)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from Group A and one Additional course from either Group A or Group B</td>
</tr>
<tr>
<td>6</td>
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<tr>
<td>Group A</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
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<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</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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<td>STA 2023 Elements of Statistics</td>
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<tr>
<td>Group B</td>
</tr>
<tr>
<td>MAC 1114 Trigonometry</td>
</tr>
<tr>
<td>MAC 1140 Precalculus Algebra</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 256)
Choose one course from Group A and one additional course from either Group A or Group B  

**Group A**
- AMH 2020 United States since 1877
- ANT 2000 Introduction to Anthropology
- ECO 2013 Principles of Economics Macro
- POS 2041 American Politics
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology

**Group B**
- AMH 2010 United States to 1877
- ANT 2400 Current Cultural Issues
- CCJ 2002 Survey of Crime and Justice
- CPO 2002 Comparative Politics
- DEP 2004 Human Development Across the Lifespan
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- INR 2002 International Politics
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- SOW 2192 Understanding Relationships in the 21st Century
- SYG 2010 Current Social Problems

**Humanities (p. 256)**
Choose one course from Group A and one additional course from either Group A or Group B  

**Group A**
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

**Group B**
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1041 Honors Core 2
- IDH 1042 Honors Core 3
- MUL 2900 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

**Natural Sciences (p. 256)**
Choose one course from Group A and one additional course from either Group A or Group B  

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry★
- CHM 2045 General Chemistry I★
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics★
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I★★

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II★
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology★
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry★
- CHM 2046 General Chemistry II★
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GED 2010 Physical Geology★
- MCB 1000 Fundamentals of Microbiology★
- PHY 2049 University Physics II★★
- PHY 2054 General Physics II★

★ 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.
★★★ Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 256)**
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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.

**General Studies Requirements**
MUN XXXX Ensemble (1 sh for 4 semesters) 4
MUT 1111 Freshman Theory 3
MUT 1112 Freshman Theory II 3
MUT 1271 Freshman Theory Lab 1
MUT 1272 Freshman Theory II Lab 1
MUT 2116 Sophomore Theory 3
MUT 2117 Sophomore Theory II 3
Music

MUT 2276 Sophomore Theory I Lab 1
MUT 2277 Sophomore Theory II Lab 1
MVX 131X Freshman Applied Music 6
MVX 232X Sophomore Applied Music 6

Total Hours 32

* 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: 15

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<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>
</tr>
<tr>
<td>MVx 4xxx Senior Recital</td>
<td></td>
</tr>
</tbody>
</table>

Performance Specialization: 37

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUN xxxx Ensemble 1</td>
<td></td>
</tr>
<tr>
<td>MUN 3xxx Chamber Music 2, +</td>
<td></td>
</tr>
<tr>
<td>MVx 3970 Junior Recital +</td>
<td></td>
</tr>
<tr>
<td>MVx 4xxx Junior Applied Music 3, +</td>
<td></td>
</tr>
<tr>
<td>MVx 4xxx Senior Applied Music 3, +</td>
<td></td>
</tr>
<tr>
<td>3000/4000 advisor-approved Music Electives +</td>
<td></td>
</tr>
</tbody>
</table>

Lower division applied music hours not required by state common prerequisites

Choose one of the following (appropriate for primary instrument):

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 4411</td>
<td>Special Methods/Choral Techniques +</td>
</tr>
<tr>
<td>MUE 4493</td>
<td>Special Methods/Instrumental Techniques +</td>
</tr>
</tbody>
</table>

Choose one of the following (appropriate for primary instrument):

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 3503</td>
<td>Symphonic and String Literature +</td>
</tr>
<tr>
<td>MUL 3551</td>
<td>Band and Wind Literature +</td>
</tr>
<tr>
<td>MUL 3602</td>
<td>Vocal Literature +</td>
</tr>
<tr>
<td>MUL 3643</td>
<td>Choral Literature +</td>
</tr>
</tbody>
</table>

Total Hours 52

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUN 3xxx Ensemble 1</td>
<td></td>
</tr>
<tr>
<td>MUT 1111</td>
<td>Freshman Theory</td>
</tr>
<tr>
<td>MUT 1271</td>
<td>Freshman Theory Lab</td>
</tr>
<tr>
<td>MUT 1112</td>
<td>Freshman Theory II</td>
</tr>
<tr>
<td>MUT 1272</td>
<td>Freshman Theory II Lab</td>
</tr>
<tr>
<td>MVx xxxx Applied Lessons 2</td>
<td></td>
</tr>
<tr>
<td>3000/4000 level Music electives 3</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

3
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 and is accredited by the National Association of Schools of Music (NASM) and is 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 required Florida Teaching Certification Exams including General Knowledge, Professional Education and the Music Subject Area.

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 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 students 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 a 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 Education
In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 259)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</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>
</tbody>
</table>

Mathematics (p. 259)

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>STA 2023 Elements of Statistics</td>
</tr>
<tr>
<td>MAC 2311 Analytic Geometry and Calculus I</td>
<td>MGF 1106 Mathematics for Liberal Arts I</td>
</tr>
<tr>
<td>MGF 1107 Mathematics for Liberal Arts II</td>
<td>GGT 1106 Mathematics for General &amp; Special Education</td>
</tr>
<tr>
<td>STA 2023 Elements of Statistics</td>
<td>STA 2022 Elements of Social and Behavioral Sciences</td>
</tr>
<tr>
<td>MAC 1114 Trigonometry</td>
<td>MAC 1140 Precalculus Algebra</td>
</tr>
<tr>
<td>MAC 2233 Calculus with Business Applications</td>
<td>MAC 2312 Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 259)
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AMH 2020 United States since 1877
- ANT 2000 Introduction to Anthropology
- ECO 2013 Principles of Economics Macro
- POS 2041 American Politics
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology

**Group B**
- AMH 2010 United States to 1877
- ANT 2400 Current Cultural Issues
- CCJ 2002 Survey of Crime and Justice
- CPO 2002 Comparative Politics
- DEP 2004 Human Development Across the Lifespan
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II
- GEA 2000 Nations and Regions of the World
- GEB 1011 Introduction to Business
- IDH 1041 Honors Core 2
- MMC 2000 Principles of Mass Communication
- PLA 2013 Survey of American Law
- SOW 2192 Understanding Relationships in the 21st Century

**Humanities (p. 259)**
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

**Group B**
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1041 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

**Natural Sciences (p. 259)**
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I

**Group B**
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 259)**
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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>Hours</th>
</tr>
</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>
</tr>
<tr>
<td>MUT 1271</td>
<td>Freshman Theory Lab</td>
<td>1</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Hours</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>MUT 1272</td>
<td>Freshman Theory II Lab</td>
<td>1</td>
</tr>
<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>
</tr>
<tr>
<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>2-4</td>
</tr>
<tr>
<td>MVx 232x</td>
<td>Sophomore Applied Music</td>
<td>2-4</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>33-37</td>
</tr>
</tbody>
</table>

* 1 sh for 4 semesters
+ Only 2 sh required by statewide common prerequisites.

**Major**

**Music Performance Core:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUG 2101</td>
<td>Conducting</td>
<td></td>
</tr>
<tr>
<td>MUH 3211</td>
<td>History of Western Music I: End of Ancient World Through 17th Century</td>
<td></td>
</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>
</tbody>
</table>

**Music Teaching Core:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 2040</td>
<td>Introduction to Music Teaching</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>MUE 4940</td>
<td>Music Education Internship</td>
<td></td>
</tr>
<tr>
<td>MVx 3xxx</td>
<td>Junior Applied Music</td>
<td></td>
</tr>
<tr>
<td>MUN xxxxx</td>
<td>Ensemble</td>
<td></td>
</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>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

Choose one of the following (appropriate to primary instrument):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 3602</td>
<td>Vocal Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3551</td>
<td>Band and Wind Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3503</td>
<td>Symphonic and String Literature</td>
<td></td>
</tr>
<tr>
<td>MUL 3643</td>
<td>Choral Literature</td>
<td></td>
</tr>
</tbody>
</table>

Choose from the following 10 sh (appropriate to instruments):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 3312</td>
<td>Kodaly Method</td>
<td></td>
</tr>
<tr>
<td>MUE 4343</td>
<td>String Methods and Materials</td>
<td></td>
</tr>
<tr>
<td>MUE 4451</td>
<td>Woodwind Instrument Methods and Materials</td>
<td></td>
</tr>
<tr>
<td>MUE 4465</td>
<td>Brass Instrument Methods and Materials</td>
<td></td>
</tr>
<tr>
<td>MUE 4475</td>
<td>Percussion Methods and Materials</td>
<td></td>
</tr>
<tr>
<td>MVV 4640</td>
<td>Vocal Pedagogy</td>
<td></td>
</tr>
<tr>
<td>MUS 2241</td>
<td>Diction for Singers I: Italian</td>
<td></td>
</tr>
<tr>
<td>MUS 3253</td>
<td>Diction for Singers II: French/German</td>
<td></td>
</tr>
<tr>
<td>MVK 4641</td>
<td>Piano Pedagogy</td>
<td></td>
</tr>
<tr>
<td>MVK 4932</td>
<td>Piano Interpretation</td>
<td></td>
</tr>
</tbody>
</table>

**Education Core:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education</td>
<td></td>
</tr>
<tr>
<td>EDG 3323</td>
<td>General Methods of K-12 Reading Instruction</td>
<td></td>
</tr>
<tr>
<td>TSL 4080</td>
<td>ESOL Principles and Practices</td>
<td></td>
</tr>
</tbody>
</table>

Choose one from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESE 4322</td>
<td>Instruction, Management, and Assessment: Secondary Education</td>
<td></td>
</tr>
</tbody>
</table>

advisor approved elective

**Total Hours**

* 2 sh for 2 semesters
** 1 sh for 2 semesters
+ Courses included in the major GPA
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 student awareness of research applications, facilitates the practice of active inquiry, fosters the ability to think and respond critically, and promotes 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; VECCHS fingerprinting; AHA BCLS certification; and drug screen.

Degree Requirements

Students earning a B.S.N. must complete the General Education, 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 262)

<table>
<thead>
<tr>
<th>Course</th>
<th>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 (p. 262)

Choose one course from Group A and one Additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 262)

Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

Group B

<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>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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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<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>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</table>

Humanities (p. 262)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I 3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II 3</td>
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</tbody>
</table>
Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

**Group B**
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUL 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

Natural Sciences (p. 262)

Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

**Group B**
- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 262)**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 Education 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1085+L</td>
<td>Anatomy and Physiology I (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>BSC 1086+L</td>
<td>Anatomy and Physiology II (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan *</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2577</td>
<td>Principles of Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>MCB 1000+L</td>
<td>Fundamentals of Microbiology (+Lab) *</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics *</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One science course from the following prefixes:</td>
<td></td>
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<tr>
<td></td>
<td>CHM, BSC, BCH, PCB, PHY</td>
<td>3</td>
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<tr>
<td></td>
<td>One social science course from the following prefixes:</td>
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<tr>
<td></td>
<td>PSY, SOP, SYG+</td>
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<tr>
<td><strong>Total Hours</strong></td>
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<td><strong>27</strong></td>
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</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Highly recommended electives include: /, HSC 3535 Medical Terminology, PSY 2012 General Psychology, and HSC 3555 Pathophysiology.</td>
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### Major

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>NUR 3026</td>
<td>Patient Centered Care I *</td>
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</tr>
<tr>
<td>NUR 3003L</td>
<td>Patient Centered Care I Lab *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3138</td>
<td>Health Assessment and Promotion in Nursing Practice *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3095</td>
<td>Introduction to Pharmacological Nursing *</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3805</td>
<td>Achieving Professionalism I *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Patient Centered Care II *</td>
<td>4</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Patient Centered Care II Lab *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3505</td>
<td>Mental Health Nursing Care *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3505L</td>
<td>Mental Health Nursing Care Lab *</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3835</td>
<td>Achieving Professionalism II *</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4216</td>
<td>Patient Centered Care III *</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4003L</td>
<td>Patient Centered Care III Lab *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4445</td>
<td>Patient Centered Care of Families *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4445L</td>
<td>Patient Centered Care of Families Lab *</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4169</td>
<td>Integration of Evidence in Professional Nursing Practice *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4007L</td>
<td>Patient Centered Care IV Lab *</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Patient Centered Care IV *</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4615</td>
<td>Community and Public Health Nursing *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4636L</td>
<td>Community and Public Health Nursing Lab *</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4827</td>
<td>Leadership and Management in Nursing *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3871</td>
<td>Health Care Informatics</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
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<td><strong>62</strong></td>
</tr>
</tbody>
</table>

* Courses included in the major GPA

### 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 clinical practice activities within the RN students’ local community.

The curriculum for the RN to BSN Nursing program track incorporates adult learning theory that builds on previous nursing education to promote development of strong professional level skills and a broader scope of practice. The graduate will demonstrate a higher competency in evidence-based nursing practice, communication, leadership, professional integration, and highly reliable care. Graduates are prepared to manage and coordinate chronic diseases in the community for at-risk populations. Graduates will demonstrate a commitment to the profession and self through the desire for advanced study.

Potential students must complete the common prerequisites for nursing with a grade of "C" or better and either:

1. Completed or “in progress” to complete the General Education 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 the online application for the fall, spring, and summer terms are available on the RN-BSN webpage.

State tuition waivers may be utilized in this program.

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://uwf.edu/online/out-of-state-students/state-authorization/

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 2.75 on 4.0 scale
- Current unencumbered United States RN license in the state(s) student will reside while completing any portion of the nursing coursework.
- Military spouses holding a valid U.S. registered nursing license and stationed at an overseas U.S. base may be considered for admission
- Submission of a departmental application by the published deadline (see website for deadline and to access the online application)

- Enrollment in the selected provider for uploading required documentation including RN license, professional liability insurance, HIPAA and BSN Handbook acknowledgments
- If requested, satisfactory completion of Level 2 criminal background check, VECHS fingerprint, and drug screen through the selected provider

Degree Requirements

Students earning a B.S.N. must complete all University General Education and Foreign Language requirements prior to the final semester of coursework in the RN to BSN Nursing major. It is strongly recommended that the 8 courses which comprise the ‘Florida Nursing Common Pre-requisites’ be completed prior to entry into the major coursework in order to facilitate timely progression through the program coursework.

A minimum grade of “C” is required in all major and major-related courses.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

<table>
<thead>
<tr>
<th>Communication (p. 265)</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101 English Composition I</td>
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<tr>
<td>ENC 1102 English Composition II</td>
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<table>
<thead>
<tr>
<th>Mathematics (p. 265)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one course from Group A and one Additional course from either Group A or Group B</td>
<td>6</td>
</tr>
</tbody>
</table>

Group A

- MAC 1105 College Algebra
- MAC 2311 Analytic Geometry and Calculus I
- MGF 1106 Mathematics for Liberal Arts I
- MGF 1107 Mathematics for Liberal Arts II
- STA 2023 Elements of Statistics

Group B

- MAC 1114 Trigonometry
- MAC 1140 Precalculus Algebra
- MAC 2233 Calculus with Business Applications
- MAC 2312 Analytic Geometry and Calculus II

Social Sciences (p. 265)
**Nursing, Registered Nurse to Bachelor of Science in Nursing**

Choose one course from Group A and one additional course from either Group A or Group B  

**6** courses

**Group A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>United States since 1877</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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**Group B**

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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</thead>
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<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<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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<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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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<tr>
<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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<tr>
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<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</tbody>
</table>

**Humanities (p. 265)**

Choose one course from Group A and one additional course from either Group A or Group B  

**6** courses

**Group A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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<td>ARH 1000</td>
<td>Art Appreciation</td>
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<td>LIT 2000</td>
<td>Introduction to Literature</td>
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<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
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<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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**Group B**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<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>
</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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>Honors Core 1</td>
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<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<td>Critical Thinking</td>
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<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
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<td>REL 1300</td>
<td>World Religions</td>
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<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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</tbody>
</table>

**Natural Sciences (p. 265)**

Choose one course from Group A and one additional course from either Group A or Group B  

**6** courses

**Group A**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
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<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
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<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
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<td>BSC 2010</td>
<td>Biology I</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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<td>CHM 2045</td>
<td>General Chemistry I</td>
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<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
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<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
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<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 2048C</td>
<td>University Physics I - Studio</td>
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**Group B**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
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<td>BOT 2010</td>
<td>General Botany</td>
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<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
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<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<td>BSC 2011</td>
<td>Biology II</td>
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<td>BSC 2311</td>
<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>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
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<td>MCB 1000</td>
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<td>PHY 2049</td>
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</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</td>
</tr>
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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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

**General Education Electives (p. 265)**

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
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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>
</tr>
<tr>
<td>HSC 2577</td>
<td>Principles of Nutrition</td>
</tr>
<tr>
<td>MCB 1000+L</td>
<td>Fundamentals of Microbiology (+Lab)</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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</tbody>
</table>

One science course from the following prefixes: CHM, BSC, BCH, PCB, PHY
One social science course from the following prefixes: PSY, SOP, SYG+  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td>Health Assessment and Promotion *</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3081</td>
<td>Transition to Professional Nursing Practice +</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacotherapeutics for the RN-BSN +</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4165</td>
<td>Essentials of Evidence-Based Nursing Practice +</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4286</td>
<td>Gerontological Nursing +</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4636</td>
<td>Public Health &amp; Community-based Nursing +</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Systems Management +</td>
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</table>

**Total Hours**: 32

(+) Indicates common prerequisites which can be used to satisfy General Education requirements.

**Major**

**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**: 16

For students with an AS degree in Nursing from an accredited program, 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 ACEN or CCNE accredited program.

Graduation requirements stipulate a student must earn a minimum of 31 hours of coursework through the University of West Florida.
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.

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.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 268)

<table>
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<tr>
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Mathematics (p. 268)

<table>
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Group A

Choose one course from Group A and one Additional course from either Group A or Group B

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Group B

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<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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Group A

Choose one course from Group A and one additional course from either Group A or Group B

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<td>Western Perspectives II</td>
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<td>Nations and Regions of the World</td>
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<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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<td>PLA 2013</td>
<td>Survey of American Law</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Social Sciences (p. 268)

Humanities (p. 268)
Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

### Group B
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUL 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

### Natural Sciences (p. 268)

Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

### Group B
- ANT 2511: Biological Anthropology
- BOT 2100: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives (p. 268)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

### Lower Division Electives

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

**Total Hours: 24**

### Major

- PHH 3100: Greek Philosophy
- PHH 3400: Modern Philosophy
- PHI 3130: Modern Logic
- Metaphysics and Epistemology

Choose two of the following
- PHI 4300: Theory of Knowledge
- PHI 3500: Metaphysics: Furniture of the Universe
- PHI 3400: Philosophy of Science
- PHI 3452: Philosophy of Biology
- PHI 3320: Philosophy of Mind
Choose two of the following

PHI 3670 Ethics
PHI 3800 Philosophy of Art
PHM 4020 Philosophy of Sex and Love
PHM 3200 Social and Political Philosophy
PHI 3640 Environmental Ethics
PHI 4633 Biomedical Ethics

2 Additional Courses at the 3000/4000 level  6
One 1 Credit Hour Capstone Directed Study Course  1

Total Hours  28

Upper Division Electives

Student must complete sufficient 3000/4000 level electives to meet UWF’s requirement of 48 credit hours at the upper division. Completing the above-listed departmental requirements will provide the student with 28 credit hours at the upper division, leaving 20 more to complete the total 48 hour requirement. Those remaining 20 hours may be taken in Philosophy courses not already being used in the student's major degree program or in courses offered by other departments, but all such courses must be at the 3000/4000 level.

Total Hours  20

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: PHH, PHI, PHM, and PHP.

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.

Total Hours  12
Physics

The B.S. in Physics focuses on the study of matter and its motion. Ultimately, the goal of physics is to understand how nature behaves from the smallest sub-atomic particle to the entire universe, making it the most fundamental natural science. 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 Education requirements and common prerequisites. A grade of C or better is required in all prerequisite courses. A grade of C- or better is required for terminating courses.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 271)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ENC 1101</td>
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<td>ENC 1102</td>
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Mathematics (p. 271)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAC 1105</td>
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Group A

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<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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Group B

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<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
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<td>Survey of Crime and Justice</td>
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Humanities (p. 271)

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Group A

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Social Sciences (p. 271)
Choose one course from Group A and one additional course from either Group A or Group B

Group A

<table>
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Group B

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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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Physics majors should take the following courses to satisfy the natural science component of General Education.

<table>
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<tr>
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<th>Course Name</th>
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<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab) *</td>
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</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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>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>
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</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>PHY 2048+L</td>
<td>University Physics I (+Lab) *</td>
<td>4</td>
</tr>
</tbody>
</table>

Lower Division Electives

Students must complete sufficient 1000/2000 level electives to satisfy at least 0-9 sh in the lower division. Current UWF students may use elective courses at any level (1000-4000) to meet this elective requirement.

Total Hours 0-9

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>
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<tbody>
<tr>
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<td>PHY 3106L</td>
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<tr>
<td>PHY 3107</td>
<td>Modern Physics II *</td>
<td>3</td>
</tr>
<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>
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<tr>
<td>PHY 4513</td>
<td>Thermodynamics and Kinetic Theory</td>
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<tr>
<td>PHY 4604</td>
<td>Quantum Theory I *</td>
<td>3</td>
</tr>
<tr>
<td>PHY 4910</td>
<td>Undergraduate Research *</td>
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<tr>
<td>PHZ 3108L</td>
<td>Intermediate-Level Physics Problems</td>
<td>1</td>
</tr>
<tr>
<td>PHZ 4113</td>
<td>Mathematical Physics I *</td>
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</tr>
<tr>
<td>PHZ 4114</td>
<td>Mathematical Physics II *</td>
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Engineering Physics Specialization

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<tr>
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<tbody>
<tr>
<td>ELM 2500</td>
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<tr>
<td>ELM 3401</td>
<td>Engineering Mechanics-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ELM 2500+</td>
<td>Programming Using Java</td>
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<tr>
<td>or COP 2334</td>
<td>Programming Using C++</td>
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</table>

Total Hours 39

Major-Related

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EEL 3111</td>
<td>Circuits I *</td>
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<tr>
<td>EEL 3111L</td>
<td>Electrical Circuits Laboratory</td>
<td>1</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>1</td>
</tr>
<tr>
<td>EEE 3308</td>
<td>Electrical Circuits I *</td>
<td>3</td>
</tr>
<tr>
<td>EEE 3308L</td>
<td>Electronics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAD 4401</td>
<td>Numerical Analysis *</td>
<td>3</td>
</tr>
<tr>
<td>COP 2253</td>
<td>Programming Using Java</td>
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</tbody>
</table>

Choose one:

Total Hours 21

+ Courses included in the major GPA

Physics Specialization

Major

Physics Core:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<td>Modern Physics I *</td>
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<tr>
<td>PHY 3106L</td>
<td>Modern Physics Laboratory</td>
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<tr>
<td>PHY 3107</td>
<td>Modern Physics II *</td>
<td>3</td>
</tr>
<tr>
<td>PHY 3220</td>
<td>Intermediate Mechanics *</td>
<td>4</td>
</tr>
<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>
</tbody>
</table>

Total Hours 39

- Courses included in the major GPA
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  Undergraduate Research  2
PHZ 3108L  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

Major-Related
EEL 3111  Circuits  3
EEL 3111L  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

+ Courses included in the major GPA

The B.A. in physics program imparts an understanding of fundamental branches of physics, such as classical mechanics, electrodynamics, thermodynamics, optics, and quantum mechanics, and relativity. In addition, the student will be able to minor in any one of several fields. The primary purpose of this program is to prepare students for a career in many different fields, such as secondary education, software engineering, quality control, and business. Graduates of the physics B.A. program are strongly suited for a career in medicine, finance, education, or law, with physics majors having the highest aggregate scores on the MCAT and LSAT exams. The degree program may include a minor in any of the fields of interest, such as pre-professional biology, chemistry, mathematics, physics/science education.

Program Requirements

In addition to the University’s general requirements, students seeking the BA in Physics must meet the requirements listed below. Students should consult with their Physics department advisor for courses which may satisfy both the General Education requirements and common prerequisites. A grade of C or better is required in all prerequisite courses. A grade of C- or better is required for terminating courses.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

Communication (p. 271)
ENC 1101  English Composition I  3
ENC 1102  English Composition II  3

Mathematics (p. 271)
Choose one course from Group A and one Additional course from either Group A or Group B

Group A
MAC 1105  College Algebra
MAC 2311  Analytic Geometry and Calculus I

Group B
MGF 1106  Mathematics for Liberal Arts I
MGF 1107  Mathematics for Liberal Arts II
STA 2023  Elements of Statistics

Group B
MAC 1114  Trigonometry
MAC 1140  Pre-calculus Algebra
MAC 2233  Calculus with Business Applications
MAC 2312  Analytic Geometry and Calculus II

Social Sciences (p. 271)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
AMH 2020  United States since 1877
ANT 2000  Introduction to Anthropology
ECD 2013  Principles of Economics Macro
PST 2041  American Politics
PSY 2012  General Psychology
SYG 2000  Introduction to Sociology

Group B
AMH 2010  United States to 1877
ANT 2400  Current Cultural Issues
ANT 2100  Introduction to Archaeology
CCJ 2002  Survey of Crime and Justice
CPO 2002  Comparative Politics
DEP 2004  Human Development Across the Lifespan
EUH 1000  Western Perspectives I
EUH 1001  Western Perspectives II
FIN 2104  Personal Financial Planning
GEA 2000  Nations and Regions of the World
GEB 1011  Introduction to Business
IDH 1041  Honors Core II
INR 2002  International Politics
MMC 2000  Principles of Mass Communication
PLA 2013  Survey of American Law
SOW 2192  Understanding Relationships in the 21st Century
SYG 2010  Current Social Problems

Humanities (p. 271)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
ARH 1000  Art Appreciation
LIT 2000  Introduction to Literature
MUL 2010  Music Appreciation
PHI 2010  Introduction to Philosophy
THE 2000  The Theatre Experience

Group B
AMH 2072  Sex, Money, and Power in American Literature
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
CRW 2001  Introduction to Creative Writing
IDH 1040  Honors Core I
MUH 2930  The Music Experience: Special Topics
PHI 2103  Critical Thinking
PHI 2603  Ethics in Contemporary Society
REL 1300  World Religions
THE 2300  Survey of Dramatic Literature
SPC 2608  Basic Communication Skills

Natural Sciences (p. 271)
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry *
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics *
- PHY 2048 University Physics I **
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I **

Group B
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II *
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology *
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry *
- CHM 2046 General Chemistry II *
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology *
- MCB 1000 Fundamentals of Microbiology *
- PHY 2049 University Physics II **
- PHY 2054 General Physics II **

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 271)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://diss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</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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<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>
<td>4</td>
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<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</tr>
<tr>
<td>MAC 2313</td>
<td>Analytic Geometry and Calculus III</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>
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</tbody>
</table>

Total Hours 28

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

Core
- PHY 3106+L Modern Physics I (+Lab) * 5
- PHZ 4113 Mathematical Physics I * 3
- PHY 3220 Intermediate Mechanics * 4
- PHY 3107 Modern Physics II * 3
- Approved upper division Physics electives * 9
Total Hours 24

* Courses included in the major GPA

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. Of these credits, 15-20 can be used to earn a minor such as Mathematics, Chemistry, Biology, or Teacher Education.

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 and PHY 3107 Modern Physics II. 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. Students must earn a 2.0 for each mandatory core course of the program.

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 275)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
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<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics (p. 275)

| Course Number | Course Title                  |
|---------------|-------------------------------|---------|
| MAC 1105      | College Algebra               |
| MAC 2311      | Analytic Geometry and Calculus I |
| MGF 1106      | Mathematics for Liberal Arts I |
| MGF 1107      | Mathematics for Liberal Arts II |
| STA 2023      | Elements of Statistics        |

Social Sciences (p. 275)

Choose one course from Group A and one additional course from either Group A or Group B 6

| Course Number | Course Title                  |
|---------------|-------------------------------|---------|
| AMH 2020      | United States since 1877      |
| ANT 2000      | Introduction to Anthropology  |
| ECO 2013      | Principles of Economics Macro |
| POS 2041      | American Politics             |
| PSY 2012      | General Psychology            |
| SYG 2000      | Introduction to Sociology     |

Group B

| Course Number | Course Title                  |
|---------------|-------------------------------|---------|
| AMH 2010      | United States to 1877         |
| ANT 2400      | Current Cultural Issues       |
| ANT 2100      | Introduction to Archaeology   |
| CCJ 2002      | Survey of Crime and Justice   |
| CPO 2002      | Comparative Politics          |
| DEP 2004      | Human Development Across the Lifespan |
| EUH 1000      | Western Perspectives I        |
| EUH 1001      | Western Perspectives II       |
| 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        |
| SOW 2192      | Understanding Relationships in the 21st Century |
| SYG 2010      | Current Social Problems       |

Humanities (p. 275)
Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

### Group B
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

### Natural Sciences (p. 275)

### Group A
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics
- PHY 2048: University Physics I
- PHY 2048C: University Physics I - Studio
- PHY 2053: General Physics I

### Group B
- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives (p. 275)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

### 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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.
It is recommended that the following courses be taken at the lower division because all three are required for the Political Science degree and POS 2041 plus one other of the following courses are required for the Political Science/Pre-Law Degree: POS 2041 American Politics, CPO 2002 Comparative Politics, INR 2002 International Politics

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>18-21</th>
</tr>
</thead>
</table>

Recommended electives:
- CPO 2002 Comparative Politics 3
- INR 2002 International Politics 3
- POS 2041 American Politics 3

**Political Science Specialization**

**Major**
- POT 4601 Modern Masters of Political Thought + 3
  - or POT 4013 Ancient Masters of Political Thought
- POS 3413 The Presidency + 3
  - or POS 3424 The Legislative Process
- POS 3033 Analyzing Issues in American Politics + 3
  - or POS 3734 Political Science Research Methods
- POS 3608 Constitutional Law: Federalism and Separation of Powers + 3
  - or POS 3624 Constitutional Law: Individual Rights and Privileges
- 3/4000 level CPO course + 3
- 3/4000 level INR course + 3
- 3/4000 level POS course + 3
- 3/4000 level POT course + 3
- 3/4000 level Political Science (CPO, INR, POS, POT) courses + 6

If not completed at the lower division:
- CPO 2002 Comparative Politics 3
- INR 2002 International Politics 3
- POS 2041 American Politics 3

**Total Hours** 39

+ Courses included in the major GPA

**Upper Division Electives**

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

<table>
<thead>
<tr>
<th>Total Hours</th>
<th>21-30</th>
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</thead>
</table>

**Accelerated Bachelors (B.A.)/Masters (M.A.) in Political Science (Accelerated BAPS/MAPS) Option**

**Minimum Requirements for admission include:**
- Overall undergraduate GPA of 3.25 or better
- Undergraduate Major GPA of 3.5 or better
- Completion of all Bachelor of Arts Political Science major core requirements except for the two core courses satisfied by MAPS core courses
- A grade of B (3.0) or higher in all BAPS major core classes
- One letter of recommendation from a Department of Government faculty member

**Process:**

A prospective student who meets the minimum requirements for admission for the Accelerated BAPS/MAPS program must schedule a meeting with his/her undergraduate faculty advisor and graduate advisor to discuss and develop a degree plan for his/her Accelerated BAPS/MAPS program. The student must then submit an Accelerated BAPS/MAPS 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 BAPS/MAPS 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 BAPS/MAPS program. For admission into the Accelerated BAPS/MAPS program in the fall semester, application materials must be submitted by March 15. For admission into the Accelerated BAPS/MAPS program in the spring semester, application materials must be submitted by June 15. For admission into the Accelerated BAPS/MAPS program, students must still submit an Express Admission application for the MAPS program. Students who are a part of the BA/MAPS program cannot be provisionally or conditionally admitted into the MAPS program.

**Program Requirements**

Upon admission into the MAPS, the 12 graduate credit hours completed as an undergraduate student will count for 12 semester hours in Political Science coursework for the MAPS. Students in the Accelerated BAPS/MAPS 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 MAPS degree.

Students accepted into the MAPS program must complete all MAPS requirements within 18 months of completing the BAPS degree. If the MAPS 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 graduate credit hours either toward completion of the BAPS degree or toward a future master’s degree) and is automatically terminated from the Accelerated BAPS/MAPS program. If a student in the Accelerated BAPS/MAPS program completes the BAPS 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 bachelor’s degree or toward a future master’s degree).

A student who becomes ineligible to continue participating in or withdraws from the Accelerated BAPS/MAPS program cannot apply any graduate credit hours toward both degrees.

Students who are enrolled in the Accelerated BAPS/MAPS program are eligible for graduate assistantship positions only after completing the BAPS degree.

**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 (1000-3000) to meet this elective requirement.

**Recommended Electives:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<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>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
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</table>

**ABM Political Science Major Courses (39 Hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT 5602</td>
<td>Modern Masters of Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>or POT 5016</td>
<td>Seminar in Political Theory</td>
<td></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></td>
</tr>
<tr>
<td>POS 6704</td>
<td>Political Science Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>POS 3608</td>
<td>Constitutional Law: Federalism and Separation of Powers</td>
<td>3</td>
</tr>
<tr>
<td>or POS 3624</td>
<td>Constitutional Law: Individual Rights and Privileges</td>
<td>3</td>
</tr>
<tr>
<td>3/4000 level CPO course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3/4000 level INR course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3/4000 level POS course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3/4000 level POT course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>5000 level Political Science (CPO, INR, POS, POT) course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>If not completed at the lower division:</td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td>POS 2041</td>
<td>American Politics</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.

**Pre-Law Specialization**

**Major**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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 Powers</td>
<td>3</td>
</tr>
<tr>
<td>POS 3624</td>
<td>Constitutional Law: Individual Rights and Privileges</td>
<td>3</td>
</tr>
<tr>
<td>POT 4204</td>
<td>American Political Thought</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>POT 4601</td>
<td>Modern Masters of Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POT 4013</td>
<td>Ancient Masters of Political Thought</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>POS 3033</td>
<td>Analyzing Issues in American Politics</td>
<td>3</td>
</tr>
<tr>
<td>INR 3073</td>
<td>Analyzing Issues in International Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3734</td>
<td>Political Science Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

**Choose four of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</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>
<tr>
<td>POS 4673</td>
<td>Jurisprudence</td>
<td>3</td>
</tr>
<tr>
<td>POS 3413</td>
<td>The Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POS 3613</td>
<td>Constitutional Controversies</td>
<td>3</td>
</tr>
<tr>
<td>POS 3625</td>
<td>First Amendment Freedoms</td>
<td>3</td>
</tr>
<tr>
<td>POS 4602</td>
<td>The Founders’ Constitution</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>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
<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>

**Total Hours**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</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.

**Major-Related**

Choose five from at least four areas and do not choose more than two from an area:

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>AMH 4131 American Revolutions, 1763-1828</td>
</tr>
<tr>
<td></td>
<td>AMH 4575 Civil Rights</td>
</tr>
<tr>
<td></td>
<td>EUH 4503 English Constitutional and Legal History</td>
</tr>
<tr>
<td></td>
<td>3000/4000 level advisor approved course</td>
</tr>
<tr>
<td>Legal Specialties</td>
<td>CCG 3024 Criminal Justice System</td>
</tr>
<tr>
<td></td>
<td>CJL 3510 Courts</td>
</tr>
<tr>
<td></td>
<td>EVR 4035 Environmental Law</td>
</tr>
<tr>
<td></td>
<td>MMC 4201 The Constitution and the Press</td>
</tr>
<tr>
<td></td>
<td>PLA 3020 Law and Society</td>
</tr>
<tr>
<td></td>
<td>PLA 3103 Legal Research and Writing</td>
</tr>
<tr>
<td></td>
<td>3000/4000 level advisor approved course</td>
</tr>
<tr>
<td>Literature and Communications</td>
<td>COM 4103 Leadership Communication</td>
</tr>
<tr>
<td></td>
<td>ENL 4333 Shakespeare</td>
</tr>
<tr>
<td></td>
<td>ENL 4311 Chaucer</td>
</tr>
<tr>
<td></td>
<td>ENL 4203 Old English Language</td>
</tr>
<tr>
<td></td>
<td>ENL 4341 Milton</td>
</tr>
<tr>
<td></td>
<td>POT 3103 Law and Politics in Literature</td>
</tr>
<tr>
<td></td>
<td>3000/4000 level advisor approved course</td>
</tr>
<tr>
<td>Skills</td>
<td>LAT 1120C Latin I</td>
</tr>
<tr>
<td></td>
<td>ACG 2021 Principles of Financial Accounting</td>
</tr>
<tr>
<td></td>
<td>ECO 3003 Principles of Economic Theory and Public Policy</td>
</tr>
<tr>
<td></td>
<td>CPO 4074 Political Economy</td>
</tr>
<tr>
<td></td>
<td>STA 2023 Elements of Statistics</td>
</tr>
<tr>
<td></td>
<td>3000/4000 level advisor approved course</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PPH 3100 Greek Philosophy</td>
</tr>
<tr>
<td></td>
<td>PPH 3400 Modern Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHI 3130 Modern Logic</td>
</tr>
<tr>
<td></td>
<td>PHI 3670 Ethics</td>
</tr>
<tr>
<td></td>
<td>3000/4000 level advisor approved course</td>
</tr>
</tbody>
</table>

**Total Hours**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

**Courses included in the major GPA**

**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**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-9</td>
</tr>
</tbody>
</table>
Accelerated Bachelors (B.A.)/Masters (M.A.) in Political Science

Program Description

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 Political Science/Pre-Law Accelerated Bachelor of Arts/Master of Arts Political Science (Accelerated BAPSPL/MAPS) program provides the opportunity for high-performing, academically talented students to complete expeditiously the Bachelor of Arts in Political Science/Pre-Law (BAPSPL) and Master of Arts in Political Science (MAPS) degrees. The Accelerated BAPSPL/MAPS program provides increased career opportunities for students, allows them to get both the BAPSPL and MAPS degrees in a shorter time period and saves on tuition expenses. The BAPSPL requires 9 semester hours of lower-division foundation courses, 30 semester hours of upper-division Political Science/Pre-Law coursework, and 15 semester hours of Major Related Coursework. In addition, the BAPSPL requires 12 semester hours of upper-division elective coursework. The MAPS program requires 21 semester hours of masters seminars and 12 semester hours of masters level Political Science electives, along with a final comprehensive exam. Or thesis option students may take 6 semester hours of Political Science electives and 6 semester hours of thesis work. The Accelerated BAPSPL/MAPS program allows students to count up to 12 credit hours of graduate-level Political Science coursework toward both the BAPSPL and MAPS. The 12 hours of graduate-level Political Science coursework will substitute for the 12 semester hours of upperdivision selected core and elective coursework in the BAPSPL. Students are limited to no more than 6 hours of graduate courses per semester.

Program Requirements

Minimum Requirements for admission into the Accelerated BA/MAPS program (ABM Political Science/Pre-Law):  
- 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 Political Science/Pre-Law major core requirements except for the two core courses satisfied by MAPS core courses  
- A grade of B (3.0) or higher in all BAPSPL major core classes  
- One letter of recommendation from a Department of Government faculty member

A prospective student who meets the minimum requirements for admission for the Accelerated BAPSPL/MAPS program must schedule a meeting with his/her undergraduate faculty advisor and graduate advisor to discuss and develop a degree plan for his/her Accelerated BAPSPL/MAPS program. The student must then submit an Accelerated BAPSPL/MAPS program application and letter of recommendation to the graduate advisor.

Students must have completed 75 undergraduate credit hours, including credits earned from advanced placement, prior to applying to the Accelerated BAPSPL/MAPS 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 BAPSPL/MAPS program. For admission into the Accelerated BAPSPL/MAPS program in the summer semester, application materials must be submitted by March 15. For admission into the Accelerated BAPSPL/MAPS program in the fall semester, application materials must be submitted by June 15. For admission into the Accelerated BAPSPL/MAPS program in the spring semester, application materials must be submitted by October 15.

Students who are enrolled in the Accelerated BAPSPL/MAPS program are eligible for graduate assistantship positions only after completing the BAPSPL degree.

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. Recommended electives:

<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>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**ABM Political Science/Pre-Law Major (33 Hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</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 Powers</td>
<td>3</td>
</tr>
<tr>
<td>POS 3624</td>
<td>Constitutional Law: Individual Rights and Privileges</td>
<td>3</td>
</tr>
<tr>
<td>POT 5602</td>
<td>Modern Masters of Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>or POT 5016</td>
<td>Seminar in Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>POS 6704</td>
<td>Political Science Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>POS 5637</td>
<td>The Founders' Constitution</td>
<td>3</td>
</tr>
<tr>
<td>CPO 5315</td>
<td>Democracies</td>
<td>3</td>
</tr>
<tr>
<td>POT 5207</td>
<td>American Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>INR 4403</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>POS 3413</td>
<td>The Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POS 3625</td>
<td>First Amendment Freedoms</td>
<td>3</td>
</tr>
<tr>
<td>POS 4673</td>
<td>Jurisprudence</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours** 33

**ABM Major-Related Courses**

Choose five courses from at least four areas and not choose more than two courses from an area:

**History**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4131</td>
<td>American Revolutions, 1763-1828</td>
<td>3</td>
</tr>
<tr>
<td>AMH 4552</td>
<td>U.S. Constitutional and Legal History (Since 1877)</td>
<td>3</td>
</tr>
<tr>
<td>AMH 4575</td>
<td>Civil Rights</td>
<td>3</td>
</tr>
<tr>
<td>EUH 4503</td>
<td>English Constitutional and Legal History</td>
<td>3</td>
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</tbody>
</table>

3000/4000 level advisor approved course

**Legal Specialties**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CUL 3510</td>
<td>Courts</td>
<td>3</td>
</tr>
<tr>
<td>EVR 4035</td>
<td>Environmental Law</td>
<td>3</td>
</tr>
</tbody>
</table>
Political Science

MMC 4201 The Constitution and the Press
PLA 3020 Law and Society
PLA 3103 Legal Research and Writing
3000/4000 level advisor approved course

Literature and Communications
COM 4103 Leadership Communication
ENL 4333 Shakespeare
ENL 4341 Milton
POT 3103 Law and Politics in Literature
3000/4000 level advisor approved

Skills
ACG 2021 Principles of Financial Accounting
ECO 3003 Principles of Economic Theory and Public Policy
STA 2023 Elements of Statistics
3000/4000 level advisor approved course

Philosophy
PHH 3100 Greek Philosophy
PHH 3400 Modern Philosophy
PHH 4200 Medieval Philosophy
PHI 3130 Modern Logic
PHI 3670 Ethics
3000/4000 level advisor approved course

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.

Minors

This minor is designed for students who seek to gain an understanding of political science.

Political Science

All courses must be completed at UWF and directed studies may not be taken to fulfill requirements. Political Science majors and Political Science/Pre-Law 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 one of the following: 3
POS 3424 The Legislative Process
POT 4204 American Political Thought
POS 3734 Political Science Research Methods
POS 3033 Analyzing Issues in American Politics
INR 3073 Analyzing Issues in International Politics
POT 4601 Modern Masters of Political Thought
POT 4013 Ancient Masters of Political Thought

Choose one of the following: 3
POS 3608 Constitutional Law: Federalism and Separation of Powers
POS 3624 Constitutional Law: Individual Rights and Privileges

Choose any INR prefix 3000/4000 course 3
Choose any CPO prefix 3000/4000 course 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 and Political Science/Pre-Law majors may not earn this minor.

POS 2041 American Politics 3
Choose one of the following: 3
POS 3608 Constitutional Law: Federalism and Separation of Powers
POS 3624 Constitutional Law: Individual Rights and Privileges

Choose three of the following 9
POT 4601 Modern Masters of Political Thought
POT 4013 Ancient Masters of Political Thought
POT 4354 Contemporary Political Philosophy
POS 3613 Constitutional Controversies
POS 4673 Jurisprudence
POS 3413 The Presidency
POS 3424 The Legislative Process
POS 4602 The Founders’ Constitution

Directed Study-Advisor approved
Any advisor approved POS or POT course

Total Hours 15
Professional Education Minor

The Minor in Professional Education is designed to provide non-education majors with the course work that—in conjunction with successful completion of Florida Teacher Certification Examinations, one year of successful teaching experience, and successful completion of a district-approved competence demonstration program for first year teachers—allows for converting a three-year non-renewable temporary certification to a five-year renewable professional certification. 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 Chair or an advisor in the Department of Teacher Education and Educational Leadership 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>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDG 3323</td>
<td>General Methods of K-12 Reading Instruction</td>
<td>3</td>
</tr>
<tr>
<td>ESE 4322</td>
<td>Instruction, Management, and Assessment: Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>Choose one:</td>
<td></td>
<td>3-12</td>
</tr>
<tr>
<td>ESE 4940</td>
<td>Secondary Practicum</td>
<td></td>
</tr>
<tr>
<td>ARE 4940</td>
<td>Art Education Internship</td>
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</tr>
<tr>
<td>EDG 4940</td>
<td>Student Teaching</td>
<td></td>
</tr>
<tr>
<td>Choose one content area (note: content area course requires advisor approval to ensure correct placement):</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARE 4316C</td>
<td>Special Methods in Art Education</td>
<td></td>
</tr>
<tr>
<td>Language Arts Education</td>
<td></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>Mathematics Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAE 4320</td>
<td>Teaching Mathematics in the Middle and Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>Science Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCE 4320</td>
<td>Teaching Science in the Middle and Secondary Schools</td>
<td></td>
</tr>
</tbody>
</table>

Social Science Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSE 4324</td>
<td>Teaching Social Studies in the Middle and Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>Career and Technical Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECT 4380</td>
<td>Special Methods in Career and Technical Studies</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 15-25
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 Department of Psychology 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 cumulative grade point average of 2.5 is required for acceptance into the program. A student must also maintain and graduate with a minimum cumulative grade point average of 2.5.

A minimum grade of “C” is required for PSY2012 General Psychology in order to declare a major in the program. A minimum grade of “C” is required for PSY 3213 (Research Methods in Psychological Science I) and PSY 3215 (Research Methods in Psychological Science II), and for one course in each of the Social, Learning and Cognition, Biological, Developmental, Clinical and Workplace 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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

Students should take STA 2023 Elements of Statistics to partially fulfill the mathematics component of General Education.

General Education Curriculum:

Communication (p. 282)

<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>
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Mathematics (p. 282)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
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</tr>
<tr>
<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>
</tbody>
</table>

Social Sciences (p. 282)

Choose one course from Group A and one Additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 1003</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</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>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>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>
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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>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
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</table>

Humanities (p. 282)

Choose one course from Group A and one Additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
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<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
</tbody>
</table>
Choose one course from Group A and one additional course from either Group A or Group B

Group A
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

Group B
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

Natural Sciences (p. 282)

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

Group B
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 282)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- PSY 2012 General Psychology
- STA 2023 Elements of Statistics
- Any 1000 or 2000 level Psychology course
- BSC 1005 General Biology for Non-Majors

* 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 Education.

Upper Division Electives (18-20 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

**If not completed at the lower division

Sport and Exercise Psychology
The 21-22 sh Minor in Sport and Exercise Psychology is offered by the Department of Psychology 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 psychological 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:
HLP 2081 Health, Nutrition and Physical Fitness 3
APK 4409 Success in Sports 3
SPM 4012 Sociology of Sport 3
PSY 2012 General Psychology 3
PSY 4832 Sport and Exercise Psychology 3
One of the following: 3-4
APK 3110 Exercise Physiology
APK 4200 Motor Development and Skill Learning
PET 4310C Mechanics of Human Motion
One of the following: 3
CLP 4314 Health Psychology
EAB 4764 Introduction to Behavior Modification
EXP 4404 Psychology of Learning

Total Hours 21-22

Certificates

Human Resources Certificate
Department: Psychology

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.

Required:
INP 3004 Industrial Psychology 3
INP 3313 Organizational Behavior 3
INP 4224 Psychology of Workforce Diversity 3
SOP 3004 Social Psychology 3
Three additional hours which may include: 3
Any upper-level undergraduate elective approved by I/O faculty
Directed Individual Study or Service Learning (an applied experience in human resources)

Total Hours 15

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.
Psychology B.S.

A bachelor’s degree 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, medicine and law, among others.

Students completing the Bachelors of Science in Psychology will be prepared to pursue a wide range of science- and research-related careers at the bachelor’s level or to pursue an advanced degree in a STEM related field. Students will attain a high-quality scientific 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.

The Bachelors of Science in Psychology is an excellent degree to prepare students interested in continuing their academic career in the field of Psychology. The BS offers a strong research-based degree program with additional math-related courses in the area of Statistics, along with the opportunity to enroll in an applied research experience (directed study).

The Bachelors of Science in Psychology is an excellent degree to prepare students interested in pursuing a degree in the medical field. To assist in meeting all pre-med requirements, students should take the following coursework when completing General Education requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010+L</td>
<td>Biology I (+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>CHM 2210+L</td>
<td>Organic Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053+L</td>
<td>General Physics I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I (prerequisites are MAC 1114 and MAC 1140)</td>
<td>4</td>
</tr>
</tbody>
</table>

The Bachelors of Science in Psychology is an excellent degree to prepare students interested in pursuing a degree in Law. There are no prerequisites for a law degree but the ABA recommends the following knowledge bases to assist in preparing for law school which can be gained in psychology coursework: Problem Solving, Critical Reading, Writing and Editing, Oral Communication and Listening, Research, Organization and Management, Public Service and Promotion of Justice, Relationship-building and Collaboration, Background Knowledge and Exposure to the Law. Recommended General Education courses: CCJ 2002 Survey of Crime and Justice and PLA 2013 Survey of American Law.

Program Requirements

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

A minimum cumulative grade point average of 2.5 is required for acceptance into the program. A student must also maintain and graduate with a minimum cumulative grade point average of 2.5.

A minimum grade of “C” is required for the Psychology core, Experimental courses and all Major requirements. 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 electives.

Students are advised to take MAC 2311 Analytic Geometry and Calculus I as one of their general education courses, since it is a prerequisite for STA 3162C Applied Statistics.

Students should consult with their academic advisor for course which may satisfy the General Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 285)

<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>
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</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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Mathematics (p. 285)

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
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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>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td></td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
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<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
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<tr>
<td>MAC 2233</td>
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<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

Social Sciences (p. 285)
Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- **AMH 2020** United States since 1877
- **ANT 2000** Introduction to Anthropology
- **ECO 2013** Principles of Economics Macro
- **POS 2041** American Politics
- **PSY 2012** General Psychology
- **SYG 2000** Introduction to Sociology

### Group B
- **AMH 2010** United States to 1877
- **ANT 2400** Current Cultural Issues
- **CCJ 2002** Survey of Crime and Justice
- **CPO 2002** Comparative Politics
- **DEP 2004** Human Development Across the Lifespan
- **EUH 1000** Western Perspectives I
- **EUH 1001** Western Perspectives II
- **FIN 2104** Personal Financial Planning
- **GEA 2000** Nations and Regions of the World
- **GEB 1011** Introduction to Business
- **IDH 1041** Honors Core 2
- **MMC 2000** Principles of Mass Communication
- **PLA 2002** Comparative Politics
- **SOW 2192** Understanding Relationships in the 21st Century
- **SYG 2010** Current Social Problems

### Humanities (p. 285)
Choose one course from Group A and one additional course from either Group A or Group B

#### Group A
- **ARH 1000** Art Appreciation
- **LIT 2000** Introduction to Literature
- **MUL 2010** Music Appreciation
- **PHI 2010** Introduction to Philosophy
- **THE 2000** The Theatre Experience

#### Group B
- **AML 2072** Sex, Money, and Power in American Literature
- **ARH 2050** Western Survey II: Greek to Renaissance
- **ARH 2051** Western Survey II: Baroque to Contemporary
- **ART 1015C** Exploring Artistic Vision
- **ART 2821** Art and Visual Culture Today
- **CRW 2001** Introduction to Creative Writing
- **IDH 1040** Honors Core 1
- **MUH 2930** The Music Experience: Special Topics
- **PHI 2103** Critical Thinking
- **PHI 2803** Ethics in Contemporary Society
- **REL 1300** World Religions
- **THE 2300** Survey of Dramatic Literature
- **SPC 2608** Basic Communication Skills

### Natural Sciences (p. 285)

Choose one course from Group A and one additional course from either Group A or Group B

#### Group A
- **AST 1002** Descriptive Astronomy
- **BSC 1005** General Biology for Non-Majors
- **BSC 1085** Anatomy and Physiology I
- **BSC 2010** Biology I
- **CHM 1020** Concepts in Chemistry
- **CHM 2045** General Chemistry I
- **ESC 2000** Introduction to Earth Science
- **EVR 2001** Introduction to Environmental Science
- **PHY 1020** Introduction to Concepts in Physics
- **PHY 2048** University Physics I
- **PHY 2048C** University Physics I - Studio
- **PHY 2053** General Physics I

#### Group B
- **ANT 2511** Biological Anthropology
- **BOT 2010** General Botany
- **BSC 1050** Fundamentals of Ecology
- **BSC 1086** Anatomy and Physiology II
- **BSC 2011** Biology II
- **BSC 2311** Introduction to Oceanography and Marine Biology
- **CGS 2560** Excursions in Computing
- **CHM 1032** Fundamentals of General Chemistry
- **CHM 2046** General Chemistry II
- **CIS 2530** Introduction to Cyber Security
- **GEO 1200** Physical Geography
- **GLY 2010** Physical Geology
- **MCB 1000** Fundamentals of Microbiology
- **PHY 2049** University Physics II
- **PHY 2054** General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

**Students should take STA 2023 Elements of Statistics to partially fulfill the mathematics component of General Education.**

### 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- **PSY 2012** General Psychology (*)
- **STA 2023** Elements of Statistics (*)
- **Any 1000 or 2000 level Psychology course**
- **BSC 1005** General Biology for Non-Majors
- **BSC 1005L** General Biology Laboratory for Non-Majors

* Common prerequisites which can be used to satisfy General Education requirements
** CLP, DEP, EAB, EXP, INP, PCO, PPE, PSB, PSY, IDH, SOP courses
Lower Division Electives (4-24 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 Education.

Upper Division Electives (0-8 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
Psychology Core (12 hours)

<table>
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<th>Course</th>
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<tbody>
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<td>PSY 2023</td>
<td>Professional Development in Psychology</td>
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<tr>
<td>PSY 3213</td>
<td>Research Methods in Psychological Science I (+)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3215</td>
<td>Research Methods in Psychological Science II (+)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 4930</td>
<td>Capstone in Psychology: Special Topics</td>
<td>3</td>
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Experimental Courses (10 hours)

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<th>Credits</th>
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<tbody>
<tr>
<td>PSY 4302</td>
<td>Psychology of Assessment (+)</td>
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</tr>
<tr>
<td>STA 3162C</td>
<td>Applied Statistics</td>
<td>4</td>
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<tr>
<td>STA 4173</td>
<td>Biostatistics</td>
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Major Requirements (24 hours)

Social (one of the following):

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOP 3004</td>
<td>Social Psychology (+)</td>
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<tr>
<td>PPE 4003</td>
<td>Theories of Personality (+)</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3730</td>
<td>Psychology, Culture, and Society (+)</td>
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</table>

Learning and Cognition

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EXP 4404</td>
<td>Psychology of Learning (+)</td>
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</tr>
<tr>
<td>EXP 4507</td>
<td>Memory and Cognition (+)</td>
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Biological

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>PSB 4002</td>
<td>Brain, Behavior, and Experience (+)</td>
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<tr>
<td>EXP 4204</td>
<td>Sensation and Perception (+)</td>
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Developmental (one of the following):

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<tbody>
<tr>
<td>DEP 3103</td>
<td>Child Development (+)</td>
<td></td>
</tr>
<tr>
<td>DEP 4305</td>
<td>Psychology of Adolescence (+)</td>
<td></td>
</tr>
<tr>
<td>DEP 4404</td>
<td>Adulthood and Aging (+)</td>
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Application of Psychology: Clinical/Counseling (one of the following):

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<tr>
<td>CLP 3144</td>
<td>Abnormal Psychology (+)</td>
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<tr>
<td>CLP 4314</td>
<td>Health Psychology (+)</td>
<td></td>
</tr>
<tr>
<td>PSB 4731</td>
<td>Psychobiology of Sexual Behavior (+)</td>
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</table>

Applications of Psychology: Workplace (one of the following):

<table>
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<tbody>
<tr>
<td>EXP 4250</td>
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</tr>
<tr>
<td>INP 3004</td>
<td>Industrial Psychology (+)</td>
<td></td>
</tr>
<tr>
<td>INP 4224</td>
<td>Psychology of Workforce Diversity (+)</td>
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</table>

Upper Level Electives (6 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY4905</td>
<td>Directed Study or any 3000/4000 Psychology Course *</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours

* CLP, DEP, EAB, EXP, INP, PCO, PPE, PSB, PSY, IDH, SOP courses
+ Courses included in the major GPA

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>Credits</th>
</tr>
</thead>
<tbody>
<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>3</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>
<td></td>
</tr>
</tbody>
</table>

Total Hours

52
# 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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4004</td>
<td>Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>Choose two of the following:</td>
<td></td>
<td>6</td>
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<tr>
<td>CCJ 3450</td>
<td>Criminal Justice Management and Organization</td>
<td></td>
</tr>
<tr>
<td>CJE 4110</td>
<td>Policing</td>
<td></td>
</tr>
<tr>
<td>CJL 3510</td>
<td>Courts</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>
<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>
<td></td>
</tr>
<tr>
<td>PHI 3670</td>
<td>Ethics</td>
<td></td>
</tr>
<tr>
<td>PLA 3020</td>
<td>Law and Society</td>
<td></td>
</tr>
<tr>
<td>POS 3424</td>
<td>The Legislative Process</td>
<td></td>
</tr>
<tr>
<td>SOW 4232</td>
<td>Introductory Analysis of Social Service Policy</td>
<td></td>
</tr>
</tbody>
</table>

**Total Hours**: 12
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 complies 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.

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 Cadet Initial Entry Training (CIET) 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 military 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 CIET, or equivalent military training can receive placement credit for lower-division courses with departmental approval
- AMH 3540 American Military History
- ROTC Cadet Leadership Course (CLC) 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 CIET and CLC.

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, 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 CIET 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 military ball 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 Reserve Officer Training Corps (AFROTC) offers students a course of study leading to a commission as a second lieutenant in the United States Air Force. 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 Air Force doctrine, missions, organization and operations.

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. All AFROTC cadets must enroll in the lab associated with their course. This lab consists of a 2-hour leadership lab and a minimum of 2 approximately 1-hour physical training (PT) sessions each week (note that documentation of medical clearance using AFROTC provided forms will be required prior to authorization to participate in PT).

General Military Course (GMC)—The Basic Course

Students may enroll in the GMC course with no military obligation; however, students new to AFROTC must speak with a member of the UWF Air Force Department for enrollment approval and instructions. 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.

The GMC is further divided into two phases:

1. Initial Military Training (IMT), a cadet’s first year in AFROTC where he/she is introduced to the Air Force:

   AFR 1101 The Foundations of the United States Air Force I 1
   AFR 1101L The Foundations of the United States Air Force I Lab 0
   AFR 1112 The Foundations of the United States Air Force II 1
   AFR 1112L The Foundations of the United States Air Force II Lab 0

2. Field Training Preparation (FTP), a cadet’s second year of training where he/she is introduced to the evolution of air and space power and competes for a field training allocation for the following summer:

   AFR 2130 The Evolution of USAF Air and Space Power I 1
   AFR 2130L The Evolution of USAF Air and Space Power I Lab 0
   AFR 2132 The Evolution of USAF Air and Space Power II 1
   AFR 2132L The Evolution of USAF Air and Space Power II Lab 0

Summer Field Training

During their Field Training Prep year, all students must compete for the opportunity to attend Field Training the following summer. This is a competitive application process and selection is based on interest in the Air Force, cumulative college GPA, performance on the Air Force Officer Qualification Test (AFOQT) standardized test, demonstrated leadership potential, and physical fitness.

Field Training takes place at Maxwell AFB in Montgomery, AL and spans approximately four weeks. Students are furnished with uniforms, medical care and transportation, or payment for travel, associated with their field training session.

Professional Officer Course (POC)—The Advanced Course

POC Enrollment is limited to those students who have been accepted for the course (generally upon successful completion of the summer Field Training). Individuals entering the POC must have a minimum of two academic years remaining in college as full-time students as an undergraduate. Upon completion, all POC students are obligated to accept a commission and enter active duty Air Force.

Junior-year materials emphasize student involvement in learning and practicing management and leadership techniques. Senior-year materials cover national security policy and the Armed Forces as an integral element of society. Throughout the entire AFROTC curriculum, leadership and management skills as they apply to a Junior officer in the Air Force are emphasized, and communication skills are stressed.

Students who enter the POC in good standing are contracted into the POC. This contract obligates the cadet to pursue completion of the AFROTC program and commission in the Air Force and provides a monthly nontaxable allowance.

AFR 3221 Air Force Leadership and Management I 3
AFR 3221L Air Force Leadership and Management I Lab 0
AFR 3232 Air Force Leadership and Management II 3
AFR 3232L Air Force Leadership and Management II Lab 0
AFR 4211 National Security Forces in Contemporary American Society I 3
AFR 4211L National Security Forces in Contemporary American Society I Lab 0
AFR 4214 National Security Forces in Contemporary American Society II 3
AFR 4214L National Security Forces in Contemporary American Society II Lab 0

AFROTC College Scholarship Program

The Professor of Air Force Studies (PAS) can nominate qualified freshmen, sophomores, and juniors to compete for scholarships covering up to 3.5 years. Scholarship recipients contract with the Air Force to pursue completion of the AFROTC program and subsequent commission. The scholarship entitlement pays full tuition and fees at UWF, a textbook allotment and the monthly allowance mentioned in the POC section. Scholarship consideration is predicated on student ability (e.g. grades/transcript, SAT or equivalent exam scores, fitness scores), performance (e.g. demonstrated leadership and followership traits) and Air Force needs (e.g. filling needed majors or career fields).

Three and four-year scholarships are also available to high school students. High school students interested in applying should contact the UWF Air Force ROTC Detachment by phone at (850) 473-7705 or by mail at UWF Air Force ROTC (AFROTC), 11000 University Parkway, Bldg 78 Room 124 Pensacola, FL 32514-5753 or apply via the internet at http://www.afrotc.com.

Air and Space Studies Minor

Program Description

The Air and Space Studies Minor assists Air Force Reserve Officer Training Corps cadets and other students in meeting the criteria for a commission, as an Officer, in the United States Air Force or entry, as a civil service employee, into the Department of the Air Force or Department of Defense. The courses emphasize leadership and management techniques with an emphasis on Air Force and Joint military processes and programs.

Program Requirements

The Air and Space Studies Minor requires 12 semester hours of upper division work in aerospace studies. Students must also complete AFR 1101 The Foundations of the United States Air Force I, AFR 1112
The Foundations of the United States Air Force II, AFR 2130
The Evolution of USAF Air and Space Power I and AFR 2132
The Evolution of USAF Air and Space Power II or equivalent, as
determined by the Department Chair. None of the 12 aerospace
studies hours may be taken online, and a grade of "C" or higher is
required for all courses in the minor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFR 3221</td>
<td>Air Force Leadership and Management I</td>
<td>3</td>
</tr>
<tr>
<td>AFR 3232</td>
<td>Air Force Leadership and Management II</td>
<td>3</td>
</tr>
<tr>
<td>AFR 4211</td>
<td>National Security Forces in Contemporary American Society I</td>
<td>3</td>
</tr>
<tr>
<td>AFR 4214</td>
<td>National Security Forces in Contemporary American Society II</td>
<td>3</td>
</tr>
</tbody>
</table>
Sciences, Interdisciplinary

Pre-Pharmacy Contact Information

<table>
<thead>
<tr>
<th>Building</th>
<th>Phone</th>
<th>Website</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>58, Room 81</td>
<td>(850) 474-3060</td>
<td><a href="http://uwf.edu/cseh/departments/public-health-clinical-health-sciences/">http://uwf.edu/cseh/departments/public-health-clinical-health-sciences/</a></td>
<td><a href="mailto:clinicalabsciences@uwf.edu">clinicalabsciences@uwf.edu</a></td>
</tr>
</tbody>
</table>

Zoo Science Contact Information

<table>
<thead>
<tr>
<th>Building</th>
<th>Phone</th>
<th>Website</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>58, Room 79</td>
<td>(850) 474-2748</td>
<td><a href="http://uwf.edu/biology/">http://uwf.edu/biology/</a></td>
<td><a href="mailto:biology@uwf.edu">biology@uwf.edu</a></td>
</tr>
</tbody>
</table>

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.

Minimum grade of “C” or better required in all courses in the program to include all Core, Specialization, Subcore, Major-Related, Electives and Common Prerequisites.

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. 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. Applicants to pharmacy school should take the PCAT exam during their Junior year.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 293)

<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>
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Mathematics (p. 293)

<table>
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<th>Course Title</th>
<th>Program</th>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>Group A</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td>Group A</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td>Group A</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td>Group A</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>Group B</td>
</tr>
</tbody>
</table>

Group A:

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
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</table>

Group B:

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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</table>

Social Sciences (p. 293)

<table>
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<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</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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<tr>
<td>INR 2002</td>
<td>International Politics</td>
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<tr>
<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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Humanities (p. 293)

<table>
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<th>Course Title</th>
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<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 Group A and one additional course from either Group A or Group B

**Group A**
- ARH 1000: Art Appreciation
- LIT 2000: Introduction to Literature
- MUL 2010: Music Appreciation
- PHI 2010: Introduction to Philosophy
- THE 2000: The Theatre Experience

**Group B**
- AML 2072: Sex, Money, and Power in American Literature
- 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
- CRW 2001: Introduction to Creative Writing
- IDH 1040: Honors Core 1
- MUH 2930: The Music Experience: Special Topics
- PHI 2103: Critical Thinking
- PHI 2603: Ethics in Contemporary Society
- REL 1300: World Religions
- THE 2300: Survey of Dramatic Literature
- SPC 2608: Basic Communication Skills

Natural Sciences (p. 293)

Choose one course from Group A and one additional course from either Group A or Group B

**Group A**
- AST 1002: Descriptive Astronomy
- BSC 1005: General Biology for Non-Majors
- BSC 1085: Anatomy and Physiology I
- BSC 2010: Biology I
- CHM 1020: Concepts in Chemistry
- CHM 2045: General Chemistry I
- ESC 2000: Introduction to Earth Science
- EVR 2001: Introduction to Environmental Science
- PHY 1020: Introduction to Concepts in Physics

**Group B**
- ANT 2511: Biological Anthropology
- BOT 2010: General Botany
- BSC 1050: Fundamentals of Ecology
- BSC 1086: Anatomy and Physiology II
- BSC 2011: Biology II
- BSC 2311: Introduction to Oceanography and Marine Biology
- CGS 2060: Excursions in Computing
- CHM 1032: Fundamentals of General Chemistry
- CHM 2046: General Chemistry II
- CIS 2530: Introduction to Cyber Security
- GEO 1200: Physical Geography
- GLY 2010: Physical Geology
- MCB 1000: Fundamentals of Microbiology
- PHY 2049: University Physics II
- PHY 2054: General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 293)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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
- 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 (Literature) 3

**Literature:**
- LIT 2000: Introduction to Literature 3

**Total Hours** 27
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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BSC 2010-L</td>
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<tr>
<td>BSC 2011-L</td>
<td>Biology II (+Lab)</td>
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</tr>
<tr>
<td>CHM 2045-L</td>
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<td>General Chemistry II (+Lab)</td>
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<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>PHY 2053-L</td>
<td>General Physics I (+Lab)</td>
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OR

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<tr>
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<td>Organic Chemistry I</td>
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OR

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Total Hours 32

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

Major

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BCH 3033-L</td>
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<tr>
<td>BCH 3034</td>
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<tr>
<td>BSC 2844</td>
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<tr>
<td>CHM 2120-L</td>
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<td>MCB 3020-L</td>
<td>Microbiology (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>PCB 3063C</td>
<td>Genetics</td>
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</tr>
<tr>
<td>PCB 4233-L</td>
<td>Immunology (+Lab)</td>
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<tr>
<td>PCB 4922</td>
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Total Hours 25

Major-Related

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<td>Anatomy and Physiology I</td>
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<tr>
<td>BSC 1085-L</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>
<tr>
<td>BSC 1086-L</td>
<td>Anatomy &amp; Physiology II Laboratory</td>
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<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
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Pre-Pharmacy Electives:* 24

Select 24 semester hours from the following:

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<td>CHM 3230</td>
<td>Organic Chemistry III</td>
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<td>CHM 3410</td>
<td>Physical Chemistry I</td>
<td></td>
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<td>GEY 4001</td>
<td>Gerontology</td>
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<tr>
<td>HSC 3535</td>
<td>Medical Terminology</td>
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<tr>
<td>PCB 3930</td>
<td>Biology Seminar Series</td>
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<tr>
<td>PCB 4098</td>
<td>Concepts in Human Physiology</td>
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<tr>
<td>PCB 4098-L</td>
<td>Concepts in Human Physiology Laboratory</td>
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</tr>
<tr>
<td>PCB 3097</td>
<td>Introduction to Human Anatomy</td>
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<tr>
<td>PCB 3097-L</td>
<td>Introduction to Human Anatomy Laboratory</td>
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<tr>
<td>PCB 4723</td>
<td>Comparative Animal Physiology</td>
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<tr>
<td>PCB 4723-L</td>
<td>Comparative Animal Physiology Laboratory</td>
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<tr>
<td>CHM 3400C</td>
<td>Basic Physical Chemistry</td>
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<tr>
<td>CHM 4455-L</td>
<td>Introduction to Polymer Science (+Lab)</td>
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<tr>
<td>CHM 4611</td>
<td>Inorganic Chemistry</td>
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<td>CHM 4930</td>
<td>Seminar: Special Topics in Advanced Chemistry</td>
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<tr>
<td>BOT 4850</td>
<td>Medicinal Botany</td>
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<tr>
<td>HSC 3555</td>
<td>Pathophysiology</td>
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<tr>
<td>MLS 4462-L</td>
<td>Medical Microbiology (+Lab)</td>
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<td>PCB 4524-L</td>
<td>Molecular Biology (+Lab)</td>
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<tr>
<td>HSC 4143</td>
<td>Drugs in Society</td>
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<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Disease</td>
<td></td>
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</table>

Directed study approved by advisor

| Total Hours | 35 |

* 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. No more than 24% of the program requirements for this degree may be in traditional business subjects. 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, in such fields 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.

Minimum grade of "C" or better required in all courses in the program to include all Core, Specialization, Subcore, Major-Related, Electives and Common Prerequisites.

General Studies

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Studies Curriculum:

Communication (p. 293)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
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<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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</table>

Mathematics (p. 293)

Choose one course from Group A and one Additional course from either Group A or Group B

Group A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
<td></td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

Social Sciences (p. 293)
Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- AMH 2020 United States since 1877
- ANT 2000 Introduction to Anthropology
- ECO 2013 Principles of Economics Macro
- POS 2041 American Politics
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology

### Group B
- AMH 2010 United States to 1877
- ANT 2400 Current Cultural Issues
- CCJ 2002 Survey of Crime and Justice
- CPO 2002 Comparative Politics
- DEP 2004 Human Development Across the Lifespan
- EUH 1000 Western Perspectives I
- EUH 1001 Western Perspectives II
- 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
- SOW 2192 Understanding Relationships in the 21st Century
- SYG 2010 Current Social Problems

### Humanities (p. 293)
Choose one course from Group A and one additional course from either Group A or Group B

#### Group A
- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

#### Group B
- AML 2072 Sex, Money, and Power in American Literature
- 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
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

### Natural Sciences (p. 293)
Choose one course from Group A and one additional course from either Group A or Group B

#### Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics II

#### Group B
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives
(p. 293)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

A grade of “C” or better is required in each of the Common Prerequisite courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<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>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>
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</table>
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
BSC 2010+L  Biology I (+Lab) *  4
BSC 2011+L  Biology II (+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**

BSC 2844  Biology Skills  1
BSC 4303  Biogeography  3
PCB 3063C  Genetics  4
PCB 3253+L  Developmental Biology (+Lab)  4
PCB 4043+L  Ecology (+Lab)  4
PCB 4723+L  Comparative Animal Physiology (+Lab)  4
PCB 4922  Biology Seminar  1
ZOO 4513  Animal Behavior  3
Choose three of the following:  9-11
   PCB 4673  Principles of Evolution
   ZOO 4254C  Marine Invertebrate Zoology
   ZOO 4304C  Marine Vertebrate Zoology
   ZOO 4457  Fish Physiology
   ZOO 4485  Marine Mammalogy

**Total Hours**  33-35

**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
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**  28-30

* 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

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: BCH, BOT, BSC, PCB, MCB, ZOO, and HSC.
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 Informal Education and Learning. Courses in these specializations draw from multiple disciplines.

**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.

**Children and Society Specialization Only**

Students must earn a grade of “C” or higher in all major and major related courses.

**General Studies**

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

**General Studies Curriculum:**

Communication (p. 298)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<th>Credits</th>
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<td>uwf.edu/interdisciplinary</td>
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Mathematics (p. 298)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
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</tr>
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<td>MGF 1107</td>
<td>Mathematics for Liberal Arts II</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
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Group B

<table>
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<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MAC 1114</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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</table>

Humanities (p. 298)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
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<td>United States since 1877</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Micro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
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Group B

<table>
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<tbody>
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<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<td>CPO 2002</td>
<td>Comparative Politics</td>
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<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>Nations and Regions of the World</td>
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<td>IDH 1041</td>
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<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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
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<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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Natural Sciences (p. 298)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
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<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
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<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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Group B

<table>
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<tr>
<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>ART 2821</td>
<td>Art and Visual Culture Today</td>
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<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<td>PHI 2603</td>
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<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>
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. Students must earn a grade of "C" or higher in all major and major related courses.

Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System +</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4700</td>
<td>Research Design in Criminal Justice +</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4940</td>
<td>Criminal Justice Internship +</td>
<td>3</td>
</tr>
<tr>
<td>CJJ 4015</td>
<td>Juvenile Justice +</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education +</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3650</td>
<td>Introduction to Child Welfare +</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose two of the following:

- DEP 3103 Child Development +
- DEP 4305 Psychology of Adolescence +
- SOW 4111 Adolescents At Risk +
- SOW 4242 Families and Family Treatment +

Total Hours 27

Major-Related

Choose from courses not taken as part of the core:

- CCJ 3014 Criminology +
- CCJ 3511 Family Crime and Violence +
- CCJ 4141 Restorative Justice +
- CJIC 4167 Community Corrections +
- CJE 4110 Policing +
- DEP 3103 Child Development +
- DEP 4305 Psychology of Adolescence +
- EAB 4704 Introduction to Behavior Modification +
- PLA 3020 Law and Society +
- PLA 3806 Family Law +
- SOW 3314 Case Management +
- SOW 4111 Adolescents At Risk +
- SOW 4242 Families and Family Treatment +

Other electives as approved by the advisor

Total Hours 21

+ Courses included in the major GPA
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

Informal Education and Learning Specialization
The Interdisciplinary Informal Education and Learning program provides a broad view of issues related to the life-long-learner and various informal education settings. The Informal Education and Learning specialization provides students with a framework to address theories related to the life-long-learner, issues surrounding informal education and learning, curriculum used in informal education settings. Graduates of this specialization are prepared to work in settings or agencies that engage in informal education and learning practices such as those used in museums, child care facilities, outdoor education programs, adult learning centers, after school programs, etc.

Major Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 3103</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>or DEP 4305</td>
<td>Psychology of Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3234</td>
<td>Applied Foundations of Education +</td>
<td>3</td>
</tr>
<tr>
<td>EDG 3945</td>
<td>Field Experience 1</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4077</td>
<td>Learning In Informal Environments +</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4334</td>
<td>Universal Design for Learning in Informal Learning Environments +</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4373</td>
<td>Elementary and Special Education Integrated Arts +</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4413</td>
<td>Classroom Management +</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4931</td>
<td>Capstone Seminar in Informal Learning and Education +</td>
<td>6</td>
</tr>
<tr>
<td>EDG 4944</td>
<td>High Impact Practice Practicum +</td>
<td>3</td>
</tr>
<tr>
<td>EDG 4947</td>
<td>High-Impact Practice Seminar +</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3070</td>
<td>Methods in Inclusion and Collaboration +</td>
<td>3</td>
</tr>
<tr>
<td>LAE 3314</td>
<td>Literacy for the Emergent Learner +</td>
<td>3</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>
</tr>
</tbody>
</table>

Total Hours
45

Major Related
Choose 15 sh of major-related courses including 9 sh of courses from the list below and 6 sh of any 2000-level or higher courses not offered by the Department of Teacher Education and Educational Leadership.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 4305</td>
<td>Psychology of Adolescence</td>
</tr>
<tr>
<td>or DEP 3103</td>
<td>Child Development</td>
</tr>
<tr>
<td>DEP 4404</td>
<td>Adulthood and Aging</td>
</tr>
<tr>
<td>EEX 4141</td>
<td>Survey of Normal and Abnormal Language and Speech Development</td>
</tr>
<tr>
<td>EXP 4404</td>
<td>Psychology of Learning</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
</tr>
</tbody>
</table>

+ Courses included in the major GPA
Social Work

The BSW 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 BSW in Social Work must meet the requirements listed below. Consult with your academic advisor for courses which may satisfy both the General Education 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.

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 Introductory Analysis of Social Service Policy 3
SOW 4233 Human Diversity and Social Justice 3
SOW 4403 Social Work Research Foundations 3

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.

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

<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>
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</table>

Mathematics (p. 301)

Choose one course from Group A and one Additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences (p. 301)

Choose one course from Group A and one additional course from either Group A or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Current Cultural Issues</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>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>GE 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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

Humanities (p. 301)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</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>
<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 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
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<td>SYG 2000</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
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<tr>
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<td>Current Cultural Issues</td>
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<tr>
<td>ANT 2100</td>
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<td>CPO 2002</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
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<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
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<td>EUH 1001</td>
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<td>Nations and Regions of the World</td>
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<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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<td>INR 2002</td>
<td>International Politics</td>
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<td>Survey of American Law</td>
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<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>
Choose one course from Group A and one additional course from either Group A
or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
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<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</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>
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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>CRW 2001</td>
<td>Introduction to Creative Writing</td>
</tr>
<tr>
<td>IDH 1040</td>
<td>Honors Core 1</td>
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<tr>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</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>World Religions</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 301)

Choose one course from Group A and one additional course from either Group A
or Group B 6

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</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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<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives  
(p. 301)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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
The user account may be utilized for seven years from the activation date.

 Tk20

 Tk20 is the official electronic portfolio software of the University of West Florida Department of Social Work. Key assessments, projects, work samples, applications for field experience, and other essential documents will be collected, processed or archived through the Tk20 secure portal.

 It is the responsibility of each student pursuing a BSW or MSW to purchase an account to access and use Tk20. The account activation fee is considered a professional expense incurred as part of participation in a professional program that uses data to meet accreditation requirements and make data-driven decisions on curricula. The user account may be utilized for seven years from the activation date.

 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.

 Choose one of the following:

 APK 4600C Aging and Physical Performance 3
 SOW 4674 Social Issues and Intervention Strategies in Social Work 3
 SOW 4740 Dimensions of Death and Dying: Special Issues 3

 Choose one of the following:

 DEP 4504 Adulthood and Aging 3
 HSA 4110 Health Care Policy and Administration 3
 HSC 4120 Consumer Health Education 3
 PLA 4607 Wills, Estates, and Trusts 3

 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.

 Choose one of the following:

 SOW 3650 Introduction to Child Welfare 3
 DEP 3103 Child Development 3
 DEP 4305 Psychology of Adolescence 3

 Choose one of the following:

 SOW 4242 Families and Family Treatment 3
 SOW 4111 Adolescents At Risk 3

 Choose one of the following:

 SOW 3650 Introduction to Child Welfare 3
 DEP 3103 Child Development 3
 DEP 4305 Psychology of Adolescence 3

 Total Hours 3

 Total Hours 48

 * Courses included in the major GPA

 Major-Related

 Choose one of the following:

 CLP 3144 Abnormal Psychology 3
 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 9

 Tk20

 Tk20 is the official electronic portfolio software of the University of West Florida Department of Social Work. Key assessments, projects, work samples, applications for field experience, and other essential documents will be collected, processed or archived through the Tk20 secure portal.

 It is the responsibility of each student pursuing a BSW or MSW to purchase an account to access and use Tk20. The account activation fee is considered a professional expense incurred as part of participation in a professional program that uses data to meet accreditation requirements and make data-driven decisions on curricula. The user account may be utilized for seven years from the activation date.
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PCO 4310</td>
<td>Intervention in Addictions</td>
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<tr>
<td>SOW 4700</td>
<td>Substance Abuse Prevention and Treatment: Special Issues</td>
<td>3</td>
</tr>
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<td>Choose one of the following:</td>
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<tr>
<td>CLP 4314</td>
<td>Health Psychology</td>
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<tr>
<td>SOW 3314</td>
<td>Case Management</td>
<td></td>
</tr>
<tr>
<td>3000-4000 level advisor approved elective</td>
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</table>

Total Hours 12
Supply Chain Logistics Management

The B.S.B.A. in Supply Chain Logistics Management is an included program in the University’s accreditation by AACSB International. Today’s businesses operate in increasingly complex domestic and global marketplaces. Managing logistics operations within such complex supply chains impacts all aspects of the organization, as well as, its customers and suppliers. The Supply Chain Logistics Management major provides students with the core knowledge to recognize, understand and manage logistics and transportation operations and market such services.

Supply Chain Logistics Management course work will expose students to core supply chain management areas of logistics, transportation, materials planning and management, demand management, finished goods distribution, customer service, global and intermodal logistics, transportation brokerage and freight forwarding, logistics analytics, and procurement.

The major builds an understanding of how logistics and transportation are managed by connecting students to business logistics in the field through interactions with executives in the classroom and in industry facilities. Students will be skilled in identifying the critical service and cost factors when making business logistics decisions, and students will be equipped with the skills to evaluate trade-offs between the factors and to ultimately make the most cost effective and service effective logistics decisions.

Program Requirements

In addition to general University requirements, students seeking the B.S.B.A. in Supply Chain Logistics Management 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 Education requirements and common prerequisites.

General Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the “Graduation and General Degree Requirements (p. 48)” section of this catalog.

General Education Curriculum:

Communication (p. 305)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
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<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
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Mathematics (p. 305)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</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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<td>MGF 1107</td>
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<td>STA 2023</td>
<td>Elements of Statistics</td>
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Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
<td></td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
<td></td>
</tr>
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</table>

Social Sciences (p. 305)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
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<td>United States since 1877</td>
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<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
<td></td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
<td></td>
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<td>PSY 2012</td>
<td>General Psychology</td>
<td></td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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Group B

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
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<td>AMH 2010</td>
<td>United States to 1877</td>
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<td>ANT 2400</td>
<td>Current Cultural Issues</td>
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<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
<td></td>
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<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
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<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
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<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</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>
<td></td>
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<tr>
<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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<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>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
<td></td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
<td></td>
</tr>
</tbody>
</table>
Supply Chain Logistics Management

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- ARH 1000  Art Appreciation
- LIT 2000  Introduction to Literature
- MUL 2010  Music Appreciation
- PHI 2010  Introduction to Philosophy
- THE 2000  The Theatre Experience

Group B
- AML 2072  Sex, Money, and Power in American Literature
- 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
- CRW 2001  Introduction to Creative Writing
- IDH 1040  Honors Core 1
- MUH 2930  The Music Experience: Special Topics
- PHI 2103  Critical Thinking
- PHI 2603  Ethics in Contemporary Society
- REL 1300  World Religions
- THE 2300  Survey of Dramatic Literature
- SPC 2608  Basic Communication Skills

Natural Sciences (p. 305)

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002  Descriptive Astronomy
- BSC 1005  General Biology for Non-Majors
- BSC 1085  Anatomy and Physiology I
- BSC 2010  Biology I
- CHM 1020  Concepts in Chemistry *
- CHM 2045  General Chemistry I **
- ESC 2000  Introduction to Earth Science
- EVR 2001  Introduction to Environmental Science
- PHY 1020  Introduction to Concepts in Physics
- PHY 2048  University Physics I
- PHY 2048C  University Physics I - Studio
- PHY 2053  General Physics I ***

Group B
- ANT 2511  Biological Anthropology
- BOT 2010  General Botany
- BSC 1050  Fundamentals of Ecology
- BSC 1086  Anatomy and Physiology II *
- BSC 2111  Biology II
- BSC 2311  Introduction to Oceanography and Marine Biology *
- CGS 2060  Excursions in Computing
- CHM 1032  Fundamentals of General Chemistry *
- CHM 2046  General Chemistry II **
- CIS 2530  Introduction to Cyber Security
- GEO 1200  Physical Geography
- GLY 2010  Physical Geology *
- MCB 1000  Fundamentals of Microbiology *
- PHY 2049  University Physics II 
- PHY 2054  General Physics II 

* 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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 305)

Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Supply Chain Logistics Management should take the following courses to satisfy components of the General Education curriculum courses:

<table>
<thead>
<tr>
<th>Humanities</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>
<tr>
<td>MAC 2233  Calculus with Business Applications</td>
<td></td>
</tr>
<tr>
<td>Social sciences</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013  Principles of Economics Macro</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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) 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
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 21

* Indicates common prerequisites which can be used to satisfy General Education 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 3-12

College of Business BSBA Core

All students pursuing a BSBA major in the College of Business must complete each of the following BSBA core courses with a grade of C (2.0) or better.

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  Strategic Management 3
MAR 3023  Marketing Fundamentals 3

Total Hours 30

College of Business Undergraduate Transfer Credit Policy

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/senior level BSBA Core, Major, and Major-related 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.

Undergraduate transfer credit for degree programs in the College of Business is awarded consistent with specifications in the UWF Catalog and the requirements of Florida's Common Numbering System.

Normally, the College will not accept transfer credits for courses completed more than 15 years prior to the date of the request for acceptance of the transfer credits.

Normally, the College of Business will not accept transfer credits as equivalent to UWF 3000/4000 level business-related courses from institutions not accredited by AACSB International.

Students should seek guidance from their College of Business academic advisors on these matters.

Supply Chain Logistics Management Specialization

MAR 3202  Supply Chain Logistics Management 3
TRA 3234  Warehousing and Terminal Management 3
TRA 4155  Seminar in Supply Chain Logistics Strategy 3
TRA 4202  Logistics Systems and Analytics 3
MAN 4597  Global Logistics Management 3
MAN 4570  Purchasing and Supply Management 3
TRA 3153  Strategic Transportation Management 3
TRA 4202  Logistics Systems and Analytics 3
MAN 4597  Global Logistics Management 3

Total Hours 24

Major-related

3000-4000 level advisor-approved electives or logistics internship 9

+ Courses included in the major GPA

Certificates

Supply Chain Logistics Certificate

Department: Marketing

Semester Hours: 12 sh upper division, at least 9 sh of which must be taken at UWF.

Program Requirements: in addition to meeting general UWF requirements, participants must successfully complete the prescribed courses earning a grade of "C" (2.0) or better in each course, and secure a combined grade point average of 2.5 or higher for the course required by the certificate.

Requirement A 3
MAR 3202  Supply Chain Logistics Management

Requirement B 9
MAN 4570  Purchasing and Supply Management
MAN 4597  Global Logistics Management
TRA 3153  Strategic Transportation Management
TRA 3234  Warehousing and Terminal Management
TRA 4202  Logistics Systems and Analytics
TRA 4155  Seminar in Supply Chain Logistics Strategy
Advisor-approved upper-division Marketing (MAR) elective

Total Hours 12
Teacher Education Programs

The Department of Teacher Education and Educational Leadership (TEEL) offers a variety of programs to students who want to teach students in Kindergarten through High School. Admission to all teacher education programs is restricted, requiring a minimum GPA, successful completion of Florida Teacher Certification Exams, and other requirements. TEEL partners with local school districts to prepare highly qualified graduates who are ready to assume classroom leadership roles. TEEL is a part of the NCATE Accredited Professional Education Unit and its teacher certification programs are approved by the Florida Department of Education.

Exceptional Student Education (K-12) and Elementary Education (K-6) Dual Certification

This 132 hour program prepares graduates to teach children and youth with exceptionalities (K-12) and traditional elementary (K-6) students. Many aspects of the program provide the student with opportunities to work with exceptional children and in the traditional elementary classroom. Graduates of this Florida Department of Education (FLDOE) approved specialization earn FLDOE professional certification in both Exceptional Student Education and Elementary Education with ESOL and Reading Endorsements, and are certified as “highly qualified” based upon the No Child Left Behind Act. This program may be completed fully online or by combining face-to-face and online courses. For more information about this program, please see the Exceptional Student Education portion of the undergraduate catalog (http://catalog.uwf.edu/undergraduate/exceptionalstudenteducation).

Elementary Education (K-6)

The traditional 124 hour FLDOE approved specialization leads directly to Florida teacher certification in Elementary Education with ESOL and Reading Endorsements for Kindergarten through Grade 6. This program is offered in a face-to-face format with some courses also being offered online. For more information about this program, please see the Elementary Education portion of the undergraduate catalog (http://catalog.uwf.edu/undergraduate/elementaryeducation).

Middle and High School Subjects

Students should earn a degree in the major field of study, e.g., English, History, Biology, etc., and complete one of the following options:

Professional Education Minor (Undergraduate Coursework)

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. For more information about this program, please see the Professional Education Minor portion of the undergraduate catalog (http://catalog.uwf.edu/undergraduate/professionaleducation) or contact Teacher Education Student Services (TESS@uwf.edu or 850-877-6306).

Music Education

The Bachelor of Music Education is designed for students seeking careers in the field of music education and prepares graduates to teach music in public and private schools. The degree includes Florida Department of Education certification in Music (K-12) with accreditation by the National Association of Schools of Music (NASM). Permission to major in music is required through audition and application to the department. For more information about this program, please see the Music Education portion of the undergraduate catalog (http://catalog.uwf.edu/undergraduate/musiceducation) or contact the Department of Music advisor (music@uwf.edu or 850-474-2147).

Physical Education

The Physical Education/Teacher Education Specialization prepares students to teach in public and private schools. The degree includes Florida Department of Education certification in Physical Education (K-12). For more information about this program, please see the Physical Education-Teacher Education portion of the Exercise Science and Community Health section of the undergraduate catalog (http://catalog.uwf.edu/undergraduate/healthleisureandexercisescience) or contact the ESCH advisor (hles@uwf.edu or 850-474-2592).
The B.A. in Theatre degree provides students who study general theatre the opportunity to put an emphasis on history and criticism in the Performance Studies track, to put an emphasis on performance in the Acting track, or to study the technical and design aspects of theatre in the Design/Technology track. The B.A. in Theatre is an audition only program. Students wanting to major in Theatre must select 1 of the 3 areas and audition in that area. Students will be assessed annually to demonstrate successful progress toward degree. Students not progressing will be removed from the program.

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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 309)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td>ENC 1102</td>
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Mathematics (p. 309)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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<tr>
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<td>MAC 105</td>
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<td>MGF 1107</td>
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<td>Elements of Statistics</td>
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<table>
<thead>
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<td></td>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
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</tbody>
</table>

Social Sciences (p. 309)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course</th>
<th>Title</th>
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<tr>
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<td>AMH 2020</td>
<td>United States since 1877</td>
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<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
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<td></td>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
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<tr>
<td></td>
<td>POS 2041</td>
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<td>General Psychology</td>
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<tr>
<th>Group B</th>
<th>Course</th>
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<tr>
<td></td>
<td>AMH 2010</td>
<td>United States to 1877</td>
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<td>ANT 2400</td>
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<td>PLA 2013</td>
<td>Survey of American Law</td>
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<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td></td>
<td>SYG 2010</td>
<td>Current Social Problems</td>
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</tbody>
</table>

Humanities (p. 309)

Choose one course from Group A and one additional course from either Group A or Group B

<table>
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<th>Course</th>
<th>Title</th>
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<tr>
<td></td>
<td>ARH 1000</td>
<td>Art Appreciation</td>
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<tr>
<td></td>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td></td>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td></td>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td></td>
<td>THE 2000</td>
<td>The Theatre Experience</td>
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</table>

<table>
<thead>
<tr>
<th>Group B</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td></td>
<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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<td>ART 1015C</td>
<td>Exploring Artistic Vision</td>
</tr>
<tr>
<td></td>
<td>ART 2821</td>
<td>Art and Visual Culture Today</td>
</tr>
<tr>
<td></td>
<td>CRW 2001</td>
<td>Introduction to Creative Writing</td>
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<tr>
<td></td>
<td>IDH 1040</td>
<td>Honors Core 1</td>
</tr>
<tr>
<td></td>
<td>MUH 2930</td>
<td>The Music Experience: Special Topics</td>
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<tr>
<td></td>
<td>PHI 2103</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PHI 2603</td>
<td>Ethics in Contemporary Society</td>
</tr>
<tr>
<td></td>
<td>REL 1300</td>
<td>World Religions</td>
</tr>
<tr>
<td></td>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td></td>
<td>SPC 2608</td>
<td>Basic Communication Skills</td>
</tr>
</tbody>
</table>

Natural Sciences (p. 309)
Theatre

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Group A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 1002</td>
<td>Descriptive Astronomy</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>General Biology for Non-Majors</td>
</tr>
<tr>
<td>BSC 1085</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 2000</td>
<td>Introduction to Earth Science</td>
</tr>
<tr>
<td>EVR 2001</td>
<td>Introduction to Environmental Science</td>
</tr>
<tr>
<td>PHY 1020</td>
<td>Introduction to Concepts in Physics</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>University Physics I</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>University Physics I - Studio</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>General Physics I</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>Biological Anthropology</td>
</tr>
<tr>
<td>BOT 2010</td>
<td>General Botany</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Fundamentals of Ecology</td>
</tr>
<tr>
<td>BSC 1086</td>
<td>Anatomy and Physiology II</td>
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<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>BSC 2311</td>
<td>Introduction to Oceanography and Marine Biology</td>
</tr>
<tr>
<td>CGS 2060</td>
<td>Excursions in Computing</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>Fundamentals of General Chemistry</td>
</tr>
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<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CIS 2530</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GLY 2010</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>University Physics II</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>General Physics II</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.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

General Education Electives (p. 309)
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2000</td>
<td>The Theatre Experience *</td>
</tr>
<tr>
<td>THE 2300</td>
<td>Survey of Dramatic Literature</td>
</tr>
<tr>
<td>THE 2925</td>
<td>Play Production</td>
</tr>
<tr>
<td>TPA 2200</td>
<td>Technical Theatre</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>Technical Theatre Laboratory</td>
</tr>
<tr>
<td>THE, TPA, TPP prefix lower division electives</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 21-23

* Indicates common prerequisites which can be used to satisfy General Education 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

Recommended:
TPP 1282 Voice and Movement for the Stage 3

Major

Theatre Core: 22

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3090</td>
<td>Theatrical Production &amp; Performance (1 sh for 4 semesters) *</td>
</tr>
<tr>
<td>THE 3112</td>
<td>History of Theatre I *</td>
</tr>
<tr>
<td>THE 3113</td>
<td>History of Theatre II *</td>
</tr>
<tr>
<td>THE 3306</td>
<td>Dramatic Literature II *</td>
</tr>
<tr>
<td>TPP 3310</td>
<td>Play Directing *</td>
</tr>
<tr>
<td>TPP 3650</td>
<td>Script Analysis *</td>
</tr>
<tr>
<td>THE 4970</td>
<td>Senior Project *</td>
</tr>
</tbody>
</table>

Choose one of the following Theatre Tracks: 18

Performing Arts Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2000</td>
<td>Design for the Theatre</td>
</tr>
<tr>
<td>TPA 4504</td>
<td>Performing Arts Administration *</td>
</tr>
</tbody>
</table>

Choose three of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3243</td>
<td>Musical Theatre History *</td>
</tr>
<tr>
<td>THE 4260</td>
<td>Costume History *</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management *</td>
</tr>
<tr>
<td>TPP 3155</td>
<td>Acting II *</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3020</td>
<td>Lighting Design I *</td>
</tr>
<tr>
<td>TPA 3060</td>
<td>Scene Design I *</td>
</tr>
<tr>
<td>TPA 4045</td>
<td>Costume Design I *</td>
</tr>
</tbody>
</table>

Acting Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2000</td>
<td>Design for the Theatre</td>
</tr>
<tr>
<td>TPP 3121</td>
<td>Acting Improvisation *</td>
</tr>
<tr>
<td>TPP 3155</td>
<td>Acting II *</td>
</tr>
<tr>
<td>TPP 3221</td>
<td>Audition Techniques *</td>
</tr>
<tr>
<td>TPP 3260</td>
<td>Acting for the Camera *</td>
</tr>
<tr>
<td>TPP 4113</td>
<td>Acting III *</td>
</tr>
</tbody>
</table>

Design Technology Track

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3344</td>
<td>Drafting for the Stage *</td>
</tr>
<tr>
<td>THE 4260</td>
<td>Costume History *</td>
</tr>
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</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3020</td>
<td>Lighting Design I *</td>
</tr>
<tr>
<td>TPA 3060</td>
<td>Scene Design I *</td>
</tr>
<tr>
<td>TPA 4045</td>
<td>Costume Design I *</td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4021C</td>
<td>Lighting Design II *</td>
</tr>
<tr>
<td>TPA 4046</td>
<td>Costume Design II *</td>
</tr>
<tr>
<td>TPA 4061</td>
<td>Scene Design II *</td>
</tr>
</tbody>
</table>

Choose two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2248</td>
<td>Introduction to Stage Makeup</td>
</tr>
<tr>
<td>TPA 3223</td>
<td>Lighting Technology *</td>
</tr>
<tr>
<td>TPA 3230</td>
<td>Costume Construction *</td>
</tr>
<tr>
<td>TPA 3313</td>
<td>Scenic Technology *</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management *</td>
</tr>
</tbody>
</table>

Total Hours 40

Additional Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4504</td>
<td>Performing Arts Administration *</td>
</tr>
</tbody>
</table>
+ Courses included in the major GPA

**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. 8

**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.
The Bachelor of Fine Arts Degree in Musical Theatre is a preprofessional 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 will be assessed annually to demonstrate successful progress toward degree. Students not progressing will be removed from the 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 Education

In addition to the General Education 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 Education curriculum. For a complete listing of general degree requirements, refer to the "Graduation and General Degree Requirements (p. 48)" section of this catalog.

General Education Curriculum:

Communication (p. 312)

- ENC 1101 English Composition I 3
- ENC 1102 English Composition II 3

Mathematics (p. 312)

Choose one course from Group A and one Additional course from either Group A or Group B 6

Group A

- MAC 1105 College Algebra
- MAC 2311 Analytic Geometry and Calculus I
- MGF 1106 Mathematics for Liberal Arts I
- MGF 1107 Mathematics for Liberal Arts II
- STA 2023 Elements of Statistics

Group B

- MAC 1114 Trigonometry
- MAC 1140 Precalculus Algebra
- MAC 2233 Calculus with Business Applications
- MAC 2312 Analytic Geometry and Calculus II

Social Sciences (p. 312)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

- AMH 2020 United States since 1877
- ANT 2000 Introduction to Anthropology
- ECO 2013 Principles of Economics Macro
- POS 2041 American Politics
- PSY 2122 General Psychology
- SYG 2000 Introduction to Sociology

Group B

- AMH 2010 United States to 1877
- ANT 2400 Current Cultural Issues
- ANT 2100 Introduction to Archaeology
- CCH 2002 Survey of Crime and Justice
- CPO 2002 Comparative Politics
- DEP 2004 Human Development Across the Lifespan
- EEU 1000 Western Perspectives I
- EEU 1001 Western Perspectives II
- 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
- SOW 2192 Understanding Relationships in the 21st Century
- SYG 2100 Current Social Problems

Humanities (p. 312)

Choose one course from Group A and one additional course from either Group A or Group B 6

Group A

- ARH 1000 Art Appreciation
- LIT 2000 Introduction to Literature
- MUL 2010 Music Appreciation
- PHI 2010 Introduction to Philosophy
- THE 2000 The Theatre Experience

Group B

- AML 2072 Sex, Money, and Power in American Literature
- ARH 2050 Western Survey I: Greek to Renaissance
- ARH 2051 Western Survey II: Baroque to Contemporary
- ART 1015 Artistic Vision
- ART 2821 Art and Visual Culture Today
- CRW 2001 Introduction to Creative Writing
- IDH 1040 Honors Core 1
- MUH 2930 The Music Experience: Special Topics
- PHI 2103 Critical Thinking
- PHI 2603 Ethics in Contemporary Society
- REL 1300 World Religions
- THE 2300 Survey of Dramatic Literature
- SPC 2608 Basic Communication Skills

Natural Sciences (p. 312)
Choose one course from Group A and one additional course from either Group A or Group B

### Group A
- AST 1002 Descriptive Astronomy
- BSC 1005 General Biology for Non-Majors
- BSC 1085 Anatomy and Physiology I
- BSC 2010 Biology I
- CHM 1020 Concepts in Chemistry
- CHM 2045 General Chemistry I
- ESC 2000 Introduction to Earth Science
- EVR 2001 Introduction to Environmental Science
- PHY 1020 Introduction to Concepts in Physics
- PHY 2048 University Physics I
- PHY 2048C University Physics I - Studio
- PHY 2053 General Physics I

### Group B
- ANT 2511 Biological Anthropology
- BOT 2010 General Botany
- BSC 1050 Fundamentals of Ecology
- BSC 1086 Anatomy and Physiology II
- BSC 2011 Biology II
- BSC 2311 Introduction to Oceanography and Marine Biology
- CGS 2060 Excursions in Computing
- CHM 1032 Fundamentals of General Chemistry
- CHM 2046 General Chemistry II
- CIS 2530 Introduction to Cyber Security
- GEO 1200 Physical Geography
- GLY 2010 Physical Geology
- MCB 1000 Fundamentals of Microbiology
- PHY 2049 University Physics II
- PHY 2054 General Physics II

* 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.

*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Studies requirements.

### General Education Electives
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

### 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 (https://dlss.flvc.org/manuals/common-prerequisite-manuals) for course substitutions from Florida colleges and universities.

- THE 2000 The Theatre Experience
- THE 2300 Survey of Dramatic Literature
- THE 2925 Play Production
- TPA 2200 Technical Theatre
- TPA 2290L Technical Theatre Laboratory
- THE, TPA, TPP prefix lower division electives

Choose one of the following:
- TPP 2100 Acting for Non-majors
- TPP 2190 Rehearsal and Performance

---

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

### Major

#### Theatre Core:
- THE 3112 History of Theatre I
- THE 3113 History of Theatre II
- TPA 2000 Design for the Theatre
- TPP 3310 Play Directing
- TPP 3650 Script Analysis

#### Acting Core:
- TPP 1282 Voice and Movement for the Stage
- TPA 2248 Introduction to Stage Makeup
- TPP 3155 Acting II
- THE 3090 Theatrical Production & Performance

#### Music Theatre Specialization:
- TPP 2250 Music Theatre Fundamentals
- TPP 2250L Musical Theatre Vocal Theory Lab
- TPP 3257 Musical Theatre Voice
- TPP 3221 Audition Techniques
- TPP 3121 Acting Improvisation
- TPP 4113 Acting III
- DAA 2000 Dance Fundamentals
- DAA 3004 Dance Styles I
- DAA 3005 and Dance Styles II
- DAA 3006 and Dance Styles III
- THE 3243 Musical Theatre History
- TPP 3252C Musical Theatre Scene Study
- TPP 3250 Musical Theatre Performance

### Total Hours
- 60

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

+ Courses included in the major GPA

### 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.
Course Information

In this section:
- Course Descriptions (http://catalog.uwf.edu/courseinformation/courses)
- General Course Information (p. 314)
- Course Schedule by Semester (https://erpapp.banner.uwf.edu/PROD/bwckschd.p_disp_dyn_sched)
- Material & Supply and Equipment Fees (p. 316)

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 by 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 (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

English Composition

Lower Freshman Freshman Freshman No laboratory

Composition Level at this institution Skills Skills I this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exceptions to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 84 different public and nonpublic postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. 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-term 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 to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure...
that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been exempted 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.

1. Courses not offered by the receiving institution.
2. For courses at nonregionally accredited institutions, courses offered prior to the established transfer date of the course in question.
3. 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.
5. Graduate courses.
6. Internships, apprenticeships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.
7. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

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 University of West Florida in the Office of the Registrar 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/coursedescriptions/courses) section of the catalog for specific course information.

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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>
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<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>
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<tr>
<td>8000-8999</td>
<td>Restricted to students enrolled in the doctoral program</td>
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Restricted 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 Registration Error Messages (https://confluence.uwf.edu/display/public/Registration+Error+Messages) guide if a registration error is encountered due to a course restriction.

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 search. Refer to Searching for Courses (https://confluence.uwf.edu/display/public/Searching+for+Course+Offerings) for step-by-step instructions on how to search for a course and view the prerequisites and/or corequisites. For further information about prerequisites and corequisites, please contact the offering department and review the information found in the Registration Policies & Procedures (http://catalog.uwf.edu/graduate/academicpolicies/registration/#courseprerequisites/corequisites) 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.

Material & Supply Fees and Equipment Fees

Material and supply fees are assessed for certain courses to offset the cost of materials or supply items consumed in the course of instruction.

Anthropology

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### Material & Supply Fees and Equipment Fees

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#### Instructional, Workforce and Applied Technology

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### Legal Studies, Public Administration and Sport Management

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Descriptions

ACG - 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 2072   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 CGS 2570

ACG 3111   Intermediate Financial Accounting II
3 sh (may not be repeated for credit)
Prerequisite: ACG 3101 AND 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 3180   Financial Statement Analysis
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403
Introduction to the study of financial statements, including interpreting accounting data and analyzing financial statements. Cross listed with FIN 3461. Prerequisites: FIN 3403 minimum grade of C.

ACG 3343   Cost Accounting
3 sh (may not be repeated for credit)
Prerequisite: ACG 2071 AND 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 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

ACG 3949   Cooperative Education
1-2 sh (may be repeated for up to 4.000 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 AND GEB 3213
Critical evaluation of broad framework of financial accounting theory.

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.

ACG 4651   Auditing
3 sh (may not be repeated for credit)
Prerequisite: ACG 3111 AND ACG 3401
Introduction to principles of auditing and other assurance services with an emphasis on attestation standards and ethical requirements promulgated by the American Institute of Certified Public Accountants.

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 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

ACG 4941   Accounting Internship
1-6 sh (may not be repeated for 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)
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.
ADV - Advertising Courses

ADV 2214 Advertising Graphics I
3 sh (may not be repeated for credit)
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 a Mac platform. Some basic design principles will be introduced along with the use of software. Acceptable prerequisite for advanced computer-based Communication Arts courses. Course restricted to students in the Major or Minor in Communication Arts.

ADV 2215 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 & Tactics I
3 sh (may not be repeated for credit)
Prerequisite: ADV 2214 AND ADV 3000
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 3113 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 3113 and ADV 3213C.

ADV 3213 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 3300 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 6.000 sh of credit)  
Prerequisite: COM 4800 OR MAR 4613  
Preparation for the American Advertising Federation National Student Advertising Competition (NSAC). Student agency prepares complete campaign, including: market research and segmentation, media and promotion plans, strategy, creation, and presentation. Professional standards stressed. Permission is required and students must become dues-paying members of UWF’s American Advertising Federation (AAF) chapter as required by NSAC guidelines. Credit may be received in ADV 4801 for up to 6 sh.

ADV 4802 Integrated Communication-Campaigns  
3 sh (may not be repeated for credit)  
Prerequisite: COM 4800* OR MAR 4613*  
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.

ADV 4905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)

ADV 6905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)

* This course may be taken prior to or during the same term.

AFH - 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.

AFR- 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, officership 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 2905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)

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.
AMH - American History Courses

AMH 2010 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. Satisfies UWF Breadth requirement in Social Sciences.

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. Satisfies Florida Common Core Social Sciences requirement.

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 4103 Southern Frontier
3 sh (may not be repeated for credit)
This course examines the interaction of the various and numerous peoples occupying the Southeastern frontier from the Restoration to the U. S. Civil War.

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 4140 Early American Republic
3 sh (may not be repeated for credit)
This course examines the major issues, events, and figures that defined the early American republic, the formative period of American history from the American Revolution to the War of 1812. All aspects of the early republic will be covered -- social, cultural, economic, political, constitutional, diplomatic, military, and biographical.

AMH 4144 The Era of Good Feelings
3 sh (may not be repeated for credit)
This course examines the major issues, events, and figures that defined the years between the end of the War of 1812 and the election of Andrew Jackson in 1828. All aspects of the ?Era of Good Feelings? will be covered -- social, cultural, economic, political, constitutional, diplomatic, and military.

AMH 4153 Lewis and Clark: Corps of Discovery
3 sh (may not be repeated for credit)
Students in this course will research and experience the travels of Meriwether Lewis, William Clark, and the Corps of Discovery from its inception with Thomas Jefferson through its travels from 1803 to 1806, and its impact on the development of the United States to the present. Offered concurrently with HIS 5156; graduate students will have additional work.
AMH 4160  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 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 4420  History of Florida  
3 sh (may not be repeated for credit)  
Pre-Columbian to present; social, economic, and political development.

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 4644  Civil Rights and Hollywood  
3 sh (may not be repeated for credit)  
Through this Public History undergraduate course, we will use period films and television to explore the Civil Rights Movement and its affect on the course of events in United States history as well as its influence on aspects of American culture. We will conduct classes through a combination of lectures, film screenings, and discussions, as well as with individual and group projects. Offered concurrently with AMH 5646; graduate students will be assigned additional work.

AMH 4694  North American Seafaring  
3 sh (may not be repeated for credit)  
Explores the history of North American seafaring from the pre-Columbian era through the twentieth century.

AMH 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
This course will research and create interpretive pieces on visitor sites from the travels of Meriwether Lewis, William Clark, and the Corps of Discovery from its inception with Thomas Jefferson through its travels from 1803 to 1806. Elements will focus on the conflicting perspectives of Turnerian “Frontier” theory and New Western historical theory as well as the greater elements of change in the West including the progression of native populations, American expansion, environmental issues, cultural viewpoints, and the elements leading to current conditions. Classes will be conducted through a combination of lectures and discussions. From these concentrated sessions, students will then research selected visitor facilities across the United States and create interpretive narrative content on each for the Next Exit History? database. Offered concurrently with AMH 4153; graduate students will be assigned additional work.

AMH 4153  Lewis and Clark: Corps of Discovery  
3 sh (may not be repeated for credit)  
This course 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. Offered concurrently with AMH 4160; graduate students will be assigned additional work.
AMH 5277  Cold War and Film
3 sh (may not be repeated for credit)
Period films are used to learn about the Cold War and its affect on the course of events in U.S. 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. Offered concurrently with AMH 4272; graduate students are assigned additional work.

AMH 5646  Civil Rights and Hollywood
3 sh (may not be repeated for credit)
Through this Public History graduate course, we will use period films and television to explore the Civil Rights Movement and its effect on the course of events in United States history as well as its influence on aspects of American culture. We will conduct classes through a combination of lectures, film screenings, and discussions, as well as with individual and group projects. Offered concurrently with AMH 4644; graduate students will be assigned additional work.

AMH 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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 6117  Seminar: History of The Atlantic World
3 sh (may not be repeated for credit)
This course explores the history of the Atlantic world from 1400-1800, with a special focus on the impact of Atlantic studies on the study of early American history.

AMH 6137  Revolutionary America
3 sh (may not be repeated for credit)
This course explores the causes, course and consequences of the revolution. We consider two dimensions of the revolution?as a war of independence and a social upheaval within the colonies. Topics include the commercial and political strands of empire; the nature of creole identity, culture and society; the imperial crises and opening of the war; the role of various fighting forces through the Peace of Paris; and the subsequent struggles over the character of new state and national governments.

AMH 6149  Transformations of America
3 sh (may not be repeated for credit)
This course examines the major issues, events, and figures that defined the early American republic, the formative period of American history from the War of 1812 to the Civil War. All aspects of the early republic will be covered -- social, cultural, economic, political, constitutional, diplomatic, military, and biographical.

AMH 6347  Materials Culture
3 sh (may not be repeated for credit)
Course Description: This course examines the use of material culture as a form of historical research. The objects people used are just as important as the documents they wrote, and reveal much about the past. Utilizing primary documents as well as material culture, students will expand on traditional research methodologies to incorporate the use of material objects to understand history.

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 6696  Seafaring in North America
3 sh (may not be repeated for credit)
Explores the history of North American seafaring from the pre-Columbian era through the twentieth century.

AMH 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

AML - 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. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement.

AML 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

AML 3004  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-class and out-of-class group work are crucial to a student's success in the class. Meets Multicultural Requirement.

AML 3624  Black Women Writers
3 sh (may not be repeated for credit)
Poetry, drama, and prose of black women writers in America. Emphasis on works from the Harlem Renaissance to the present. Meets Multicultural Requirement.

AML 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

AML 4014  Topics in Early American Literature
3 sh (may not be repeated for credit)
Thematic approaches to the New World and early American literature, from the time of the Spanish conquest through the American Revolution and the early Republic. Topics vary according to faculty expertise and research interests.
AML 4015  Topics in Nineteenth-Century American Literature
3 sh (may not be repeated for credit)
Explores themes in nineteenth-century American literature, from the
Romantics through realism and early modernism. Emphasizes new
critical approaches and the racial, ethnic and cultural diversity of
American literature. Topics vary according to faculty expertise and
research interests. Meets Multicultural Requirement.

AML 4054  Topics in Twentieth-Century and Contemporary American
Literature
3 sh (may not be repeated for credit)
Thematic approaches to twentieth-century and contemporary American
Literature, from modernism through the present. Studies literature in
relation to artistic and social movements of the past century. Topics
vary according to faculty expertise and research interests.

AML 4302  Single Author Seminar, American Literature, 1700 to the
Present
3 sh (may not be repeated for credit)
Prerequisite: ENG 3010
This course is designed to give students an in-depth view into
American Literature through detailed study of the work of a single
canonical author. Extended study of the oeuvre of a single author
gives students insight into not only specific moments of history and the
overall scene of publishing/literature, but also how a specific author?s
style and treatment of themes develop over time.

AML 4640  Topics in Native American Literature
3 sh (may not be repeated for credit)
This course examines the history, form, and cultural context of Native
American literature using a variety of texts and genres. Oral traditions,
material culture, and written texts will be considered. Works by Native
American authors will be examined in their own right, and in relation to
Meets Multicultural Requirement.

AML 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

AML 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

AML 6455  Topics in American Literature
3 sh (may be repeated for up to 12.000 sh of credit)
Studies in major figures or movements in American literature. Topics
change each term. See department or instructor for specific topic.

AML 6506  Topics in American Literature to 1900
3 sh (may not be repeated for credit)
This course examines canonical and non-canonical texts of early
American literature. Emphasis on specialized study of one or more
selected authors or genres. Theoretical and critical approaches current
in the field will be stressed. In close consultation with the professor,
students will produce a substantial body of written work reflecting their
own research interests.

AML 6507  Topics in American Literature 1900-Present
3 sh (may not be repeated for credit)
This course examines canonical and non-canonical texts post-1900
American literature. Emphasis on specialized study of one or more
selected authors or genres. Theoretical and critical approaches current
in the field will be stressed. In close consultation with the professor,
students will produce a substantial body of written work reflecting their
own research interests.

AML 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

AMS-American Studies Courses

AMS 6009  Introduction to American Studies
3 sh (may not be repeated for credit)
Explores dominant themes in the American experience, and it will
introduce graduate students to the methodology, theories, and content
regarding Early American Studies. The course draws on a variety of
media including film, literature, paintings, and historical writings.

ANG - Anthropology: Graduate Courses

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
archaeological 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 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 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)
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)
Evolutionary perspective on function and adaptive nature of biological variation in modern man. Offered currently with ANT 4516; graduate students will be assigned additional work.

ANG 5520  Human Osteology
4 sh (may not be repeated for credit)
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. Credit may not be received in both ANG 5307 and ANG 5446.
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)
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 not be repeated for credit)
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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
ANG 6971  Anthropology Thesis
1-6 sh (may be repeated for up to 6.000 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.

ANT-Anthropology Courses

ANT 1138  Introduction to Maritime Studies
1 sh (may not be repeated for credit)
Basic introduction to maritime studies designed to familiarize students with the dynamic cultural and natural resources of the maritime environment. Students will gain knowledge and understanding of maritime environments.

ANT 2000  Introduction to Anthropology
3 sh (may not be repeated for credit)
Introduction to subdivision of anthropology and anthropological thought, basic treatment of human evolution, origins of civilization, world archaeology and modern work cultures, stressing the continuities of human nature. Satisfies Florida Common Core Social Sciences requirement. Meets Multicultural Requirement.

ANT 2100  Introduction to Archaeology
3 sh (may not be repeated for credit)
Basic introduction to archaeology; includes fundamental principles, field and laboratory methods, theories construction, special sites and conditions, and ethics. Information from all over the world is used. Field trips to local archeological sites are usually included. Satisfies UWF Breadth requirement in Social Sciences.

ANT 2400  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. Satisfies UWF Breadth requirement in Social Sciences.

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. Satisfies UWF Breadth requirement in Natural Sciences.

ANT 2511L  Biological Anthropology Lab
1 sh (may not be repeated for credit)
Lab corresponding with ANT 2511.

ANT 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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.

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 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 sociocultural archaeology, archaeology, biological archaeology, and history. Credit may not be received in both ANT 3311 and ANT 3317.

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. Credit may not be received in both ANT 3610 and ANT 3620.

ANT 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 not be repeated for 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 Archaeology of the Southeastern United States
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 3101) OR ANT 4824

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 4190  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 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 spread sheets, 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. Credit may not be received in both ANT 4247 and ANT 4174.

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. Emphasizes upon evolution and cross-cultural comparison.

ANT 4317  Archaeological Methodology
3 sh (may not be repeated for credit)

Students will focus on skill development in the critical reading and analysis of archaeological reports and journals in the field of cultural resource management. Emphasis will be divided between ancient and contemporary archaeological research, including current discourses on the role of the archaeologist as a manager and/or consultant. Offered concurrently with ANG 5307; graduate students will be assigned additional work.

ANT 4321  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 ANG 5321; graduate students will be assigned additional work.

ANT 4322  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 ANG 5322; graduate students will be assigned additional work.

ANT 4332  Cultures of Latin America
3 sh (may not be repeated for credit)

Students will explore the key themes and elements of Latin American culture in general, including subsistence patterns and socionomic 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 ANG 5307; graduate students will be assigned additional work.

ANT 4451  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 ANG 5451; graduate students will be assigned additional work.

ANT 4516  Modern Human Physical Variation
3 sh (may not be repeated for credit)

Prerequisite: ANT 2511/L

Evolutionary perspective on function and adaptive nature of biological variation in modern humans. Offered concurrently with ANG 5XX5 (Modern Human Physical Variation); graduate students will be assigned additional work.
ANT 4523  Field Methods in Forensic Anthropology  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 3101 AND ANT 4525/L  
On-site training in forensic field methods for the location, documentation, and recovery of human skeletal remains from surface and buried contexts. Includes use of surveying equipment and hand excavation tool. Permission is required.

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. Credit may not be received in both ANT 4525 and ANT 4466.

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. Credit may not be received in both ANT 4532 and ANT 4466.

ANT 4536  Bioarchaeology  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 2511/L  
Bioarchaeology is the study of human skeletal remains from archaeological sites. It draws on techniques from archaeology, anatomy, biology, chemistry, pathology, demography, and history in order to reconstruct both individual lives and collective population histories across the globe. Offered concurrently with ANT 5536; graduate students will be assigned additional work. Pre requisite: ANT 2511/L minimum grade C.

ANT 4550  Primatology  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 2511/L  
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 4586  Human Origins  
3 sh (may not be repeated for credit)  
Prerequisite: ANT 2511/L  
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 4589  Aesthetics & Critical Theory  
3 sh (may not be repeated for credit)  
Experiential and anthropological/semiotic 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 not be repeated for 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 not be repeated for 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. Credit may not be earned in both ANT 4076C and ANT 4853C.

ANT 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
ANT 4944  Anthropology Internship  
1-3 sh (may be repeated for up to 6.000 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.
APK-Applied Kinesiology Courses

APK 3110  Exercise Physiology
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085/L AND CHM 2045/L
Co-requisite: APK 3110L

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 3220  Biomechanical Basis of Movement
3 sh (may not be repeated for credit)
Prerequisite: APK 3110/L AND ATR 3132
Co-requisite: APK 3220L

The fundamentals of engineering (kinematics and kinetics) related to motor skills and human performance are introduced. Basic college mathematics and physics knowledge will be applied to problem solving in a classroom setting. Experimental procedures and sport research techniques will be applied in the laboratory setting.

APK 3220C  Biomechanical Basis of Movement Laboratory
4 sh (may not be repeated for credit)
Prerequisite: (APK 3110/L) AND (MAC 1105 OR MAC 1114 OR MAC 1140 OR MAC 2233 OR MAC 2311 OR MAC 2312 OR MAC 1106 OR MAC 1107 OR MAC 2023)

The fundamentals of engineering (kinematics and kinetics) related to motor skills and human performance are introduced. Basic college mathematics and physics knowledge will be applied to problem solving in a classroom setting. Experimental procedures and sport research techniques will be applied in the laboratory setting. Prerequisites: APK 3110/L and either MAC 1105 or completion of General Education Mathematics minimum grade C.

APK 3220L  Biomechanical Basis of Movement Laboratory
1 sh (may not be repeated for credit)
Prerequisite: APK 3110/L
Co-requisite: APK 3220

As a co-requisite to the lecture course APK 3220, the laboratory section allows for hands-on experiences relative to human movement. Students will interact with biomechanical data collection systems, including three-dimensional motion capture, electromyography, accelerometry, and force plates. Students will gather data necessary to complete a condensed research project.

APK 3232  Measurement and Evaluation in Health, Leisure, and Sports
3 sh (may not be repeated for credit)
Prerequisite: APK 3110/L

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.

APK 4114C  Physiological Basis of Strength Development
3 sh (may not be repeated for credit)
Prerequisite: APK 3220C OR PET 4310C

Knowledge and understanding of the physiological functions of skeletal muscle and the dynamics of strength development.

APK 4119  Exercise Testing for Special Populations
3 sh (may not be repeated for credit)
Prerequisite: APK 4125/L

Designed of exercise programs for individuals with special medical conditions such as rheumatoid arthritis, osteoporosis, spinal disorders, diabetes, obesity, heart disease, hypertension, and pregnancy. Credit may not be earned in both PET 4552 and PET 4691.

APK 4125  Exercise Testing and Prescription
3 sh (may not be repeated for credit)
Prerequisite: APK 3110/L
Co-requisite: APK 4125L

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.

APK 4125L  Exercise Testing and Prescription Laboratory
1 sh (may not be repeated for credit)
Prerequisite: APK 3110/L

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.

APK 4163  Sport Nutrition and Weight Control
3 sh (may not be repeated for credit)
Prerequisite: APK 3110/L

The relationship between physical activity and nutrition; their combined effects on optimal health, fitness, and sport performance.

APK 4200  Motor Development and Skill Learning
3 sh (may not be repeated for credit)
Prerequisite: APK 3232

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. Material and supply fee will be assessed.

APK 4234C  Electrocardiogram Interpretation and Graded Exercise Testing
3 sh (may not be repeated for credit)
Prerequisite: APK 4119

The acquisition and interpretation of both resting and exercise electrocardiograms is covered, as well as an overview of heart anatomy, function and electrophysiology. Students are taught to identify various cardiac dysrhythmias and to administer a graded exercise test according to the American College of Sports Medicine guidelines. Students will engage in laboratory hands-on assignments that will include prepping of subjects, conduction and interpretation of a resting and graded exercise test. Department Permission is required.
APK 4409  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 around 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.

APK 4600C  Aging and Physical Performance
3 sh (may not be repeated for credit)
Prerequisite: APK 4119 AND APK 4200

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.

APK 4603C  Balance and Mobility Training for Older Adults
3 sh (may not be repeated for credit)
Prerequisite: APK 3110/L

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.

APK 4941C  Senior Capstone Experience in Exercise Science
1-6 sh (may be repeated for up to 6.000 sh of credit)
Prerequisite: APK 3220C AND APK 4114C AND APK 4119

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. Departmental permission will be required.

APK 5116C  Applied Physiology in Muscular 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.

APK 5204  Applied Motor Learning/Control in Exercise Science
3 sh (may not be repeated for credit)


APK 5407  Elite Performance 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.

APK 5601  Preventative Health in the Aging Population
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 physiological, psychological, and social factors affecting movement capabilities, the assessment of physical performance, and the development of activity programs for the aging population.

APK 6111C  Advanced Exercise Physiology
3 sh (may not be repeated for credit)

Research and problems in exercise physiology; advanced study of reactions of the human body under stress and during exercise. Material and supply fee will be assessed.

APK 6127C  Clinical Exercise Testing and Interpretation
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. Material and Supply fee will be assessed.

APK 6167C  Advanced Human Nutrition and Metabolism
3 sh (may not be repeated for credit)

An advanced study of the role of nutrition as a means to enhance performance in exercise and sport. Topics include principles of energy metabolism, nutrients in their use during exercise, regulation of metabolism by macro and micro nutrients and their role in weight control with athletes. The validity and safety of proposed ergogenic aids are also explored. This course will evaluate the role of nutrition and supplementation vis-à-vis exercise. Topics include: fat, carbohydrate, protein, vitamin, mineral and water needs of the active person; energy metabolism; nutritional and body composition issues; nutritional concerns for special groups; sports supplements; body composition issues. Prerequisites: An undergraduate exercise physiology class.

APK 6226  Analysis of Human Movement
3 sh (may not be repeated for credit)

The course will provide students with the tools necessary to collect and analyze characteristics of human movement using current neuromechanical technologies. Students will engage in neuromechanical study design, implementation, analysis, and dissemination within the laboratory setting.

ARA-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 Arabic 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 1101C 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.

ARE-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 AND 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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ARE 4316C  Special Methods in Art Education
4 sh (may be repeated for up to 8.000 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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ARE 4940  Art Education Internship
6-12 sh (may not be repeated for 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.

ARH-Art History Courses
ARH 1000  Art Appreciation
3 sh (may not be repeated for credit)
Survey the key monuments of Western art and architecture from the upper Paleolithic period to the modern era. Not open to art majors. Satisfies Florida Common Core Humanities requirement. Meets Multicultural Requirement.

ARH 2050  Western Survey I: Greek to Renaissance
3 sh (may not be repeated for credit)
Analyzes the western aesthetic heritage within its cultural context from the birth of Greek art through the late Renaissance era. Required for all art majors. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement. Meets Multicultural Requirement.

ARH 2051  Western Survey II: Baroque to Contemporary
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. Credit may not be received in both ARH 3590 and ARH 4590. Meets Gordon Rule Writing Requirement. Meets Multicultural Requirement.

ARH 3313C  Teaching of Art in the Elementary School
3 sh (may not be repeated for credit)
A comprehensive survey of American painting, sculpture, and architecture from the seventeenth century to the third quarter of the twentieth century. Meets Gordon Rule Writing Requirement.

ARH 3590  Perspectives in Ancient and World Art
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. Meets Gordon Rule Writing Requirement.

ARH 3621  American Art
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. Meets Gordon Rule Writing Requirement.

ARH 3724  History of Graphic Design
3 sh (may not be repeated for credit)

ARH 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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. Meets Gordon Rule Writing Requirement.

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. Meets Gordon Rule Writing Requirement. 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. Meets Gordon Rule Writing Requirement. Meets Multicultural Requirement.

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. Meets Gordon Rule Writing Requirement. Meets Multicultural Requirement.

ARH 4470  Art After 1950
3 sh (may not be repeated for credit)

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. Credit may not be earned in both ARH 4655 and ARH 4653. 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. Credit may not be received in both ARH 4830C and ARH 3830C.

ARH 4900  Readings in Art History
1-3 sh (may be repeated for up to 9.000 sh of credit)
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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ARH 4911  Research in Art History
3 sh (may be repeated for up to 6.000 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. Permission is required. Meets Gordon Rule Writing Requirement.

ARH 4930  History of Art History Seminar
3 sh (may not be repeated for credit)
Prerequisite: ARH 2050 AND 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 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 5468  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.
ART 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.

ART 5905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)

ART 5947 Museum and Gallery Practicum  
1-3 sh (may be repeated for up to 6.000 sh of credit)

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.

ART 6905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)

**ART- 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. Satisfies UWF Breadth requirement in Humanities.

**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 2602C

An overview of the formal elements of design, contextualized within a framework 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. Credit may not be earned in both ART 2510C and ART 2500C. Material and supply fee will be assessed.

**ART 2602C Introduction to Digital Studio Practice**  
3 sh (may not be repeated for credit)  
Prerequisite: ART 1300C AND 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 AND ART 1301C AND ART 2201C AND 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. Satisfies UWF Breadth requirement in Humanities.

**ART 2905 Directed Study**  
1-12 sh (may be repeated indefinitely for credit)

**ART 3213C Advanced Ideas and Concepts**  
3 sh (may not be repeated for credit)  
Prerequisite: ART 1300C AND ART 1301C AND ART 2201C AND 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 AND 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 AND ART 1301C AND ART 2201C AND 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 1300C 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 3505C 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 than easel painting will be presented. Investigation and experimentation responding to situations and projects is required. Credit cannot be received for both ART3505C and ART 3405C.
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. Credit may not be received in both ART 3507C and ART 3500C.

ART 3504C Painting II-Intermediate
3 sh (may not be repeated for credit)
Prerequisite: ART 1300C 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 3660C Digital Photo Exploration
3 sh (may be repeated for up to 9.000 sh of credit)
Prerequisite: ART 2602C
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 3613C Digital Multimedia
3 sh (may not be repeated for credit)
Prerequisite: ART 2602C
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 collaboratively 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 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 New 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 hand-forming 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 3769C  Sculptural Ceramics  
3 sh (may be repeated for up to 9.000 sh of credit)  
Prerequisite: ART 2203C AND 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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
ART 3930  Special Topics in Painting and Drawing  
1-9 sh (may be repeated for up to 27.000 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 9.000 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 designated a capstone experience. 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. Credit cannot be received for both ART 4332C and ART 4320C.

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 9.000 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 9.000 sh of credit)  
Prerequisite: ART 2400C AND 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.

ART 4520C  Painting: Personal Directions  
3 sh (may be repeated for up to 9.000 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 be repeated for up to 9.000 sh of credit)
Prerequisite: ART 3613C
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 4632C Digital Design Studio Senior Project
3 sh (may be repeated for up to 9.000 sh of credit)
Prerequisite: ART 3618C
Designed for seniors in the Graphic Design BA and Digital Art BFA programs pursuing self-initiated and self-directed projects. Projects may include the development of a single (or sequential) large-scale artwork, the further development of projects begun at the lower level for inclusion in the senior portfolio, and/or design and development of the senior exit show and/or senior design portfolio. Students' proposals must be approved by the instructor at least two weeks before the start of the semester. May be designated a capstone experience. Permission is required. Material and Supply Fee will be assessed.

ART 4633C Interactive Electronic Art
3 sh (may be repeated for up to 9.000 sh of credit)
Prerequisite: ART 2602C
An exploration of the development of interactive objects and environments for artists and designers. 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 9.000 sh of credit)
Prerequisite: ART 3764C
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 4787C Ceramics: Personal Directions
3 sh (may be repeated for up to 9.000 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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ART 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ART 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ASH-Asian History Courses
AST-ASTRONOMY Courses
AST 1002 Descriptive Astronomy
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 OR MAC 1114
Introductory astronomy. Basic astronomical concepts; gravitation and other cosmic forces; planets, moons, and other components of the solar system; nature and evolution of the sun and of other stars; structure of galaxies and of the universe as a whole. Satisfies Florida Common Core Natural Sciences requirement.

AST 1002L Descriptive Astronomy Laboratory
1 sh (may not be repeated for credit)
Co-requisite: AST 1002
Elective laboratory to accompany AST 1002. One period per week for 3 hours. Experiments, measurements, and observations of planetary, stellar, galactic, and extragalactic astronomy.

AST 3222 Introduction to Astrophysics
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311 AND PHY 2048
Co-requisite: PHY 2049
Comprehensive survey of the universe and its appearance from earth. Seasons, tides, eclipses. The solar system, stellar evolution and galaxies. Quasars, pulsars, black holes.

AST 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ATR-Athletic Training Courses

ATR 2000 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. Credit may not be earned in both PET 2603, ATR 2000 and PET 2604.

ATR 2010 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.

ATR 3104 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. Material and supply fee will be assessed. Permission is required.
ATR 3132  Functional Kinesiology
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085/L
Provides an in-depth, hands-on approach to learning the human skeletal and muscular anatomy and how it relates to motion and mechanism of injury, muscle origins, insertions, and actions will be learned through palpation.

ATR 3212  Evaluation Techniques of Athletic Injuries I
3 sh (may not be repeated for credit)
Prerequisite: ATR 2010
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. Credit may not be received in both APK 4305, ATR 3212 and PET 4609.

ATR 3302  Therapeutic Modalities in Athletic Training
3 sh (may not be repeated for credit)
Prerequisite: ATR 2010
Co-requisite: ATR 3302L
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.

ATR 3302L  Therapeutic Modalities in Athletic Training Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PET 2622
Co-requisite: ATR 3302
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.

ATR 3512  Management Strategies in Athletic Training
3 sh (may not be repeated for credit)
Prerequisite: ATR 2010
Co-requisite: ATR 3212
Theory and application of management and organizational skills related to the athletic training profession, including current theory on human resources, financial/budgetary planning, facility design and planning, athletic injury insurance, legal issues of sports medicine, medical ethics, drug testing, and pre-participation examinations. In addition, pharmacology related to athletic training will be addressed, including practical issues regarding medications, therapeutic drugs-types and actions, and the ethical, medical, and administrative issues related to dispensing over-the-counter and prescription therapeutic medications. Credit may not be earned in both PET 3484, ATR 3512 and PET 3660.

ATR 3812  Athletic Training Clinical I
3 sh (may not be repeated for credit)
Prerequisite: ATR 2000 AND BSC 1085/L
Students will refine many of the athletic training skills which were introduced during other courses. These include injury surveillance, implementation of OSHA standards, pre-participation exams, environment illness, environmental illness prevention, etiology and prevention guidelines associated with the leading causes of sudden death during physical activity, emergency preparedness, and communication and education of coaches, parents, and athletes. Clinical experiences are obtained in various athletic training settings, including the university’s athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 3822  Athletic Training Clinical II
3 sh (may not be repeated for credit)
Prerequisite: ATR 3812
Students will refine many of the athletic training skills which were introduced during other courses. These include using protective equipment and prophylactic procedures, emergency assessment procedures, and perform a comprehensive clinical evaluation on the spine and lower extremities. Clinical experiences are obtained in various athletic training settings, including the university’s athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 4213  Evaluation Techniques of Athletic Injuries II
3 sh (may not be repeated for credit)
Prerequisite: ATR 3212 AND PET 4609
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.

ATR 4314  Rehabilitation of Athletic Injuries
3 sh (may not be repeated for credit)
Prerequisite: ATR 2010
Co-requisite: ATR 4314L
Clinical application of principles of evaluating, assessing, and rehabilitating sports-related injuries. Offered concurrently with PET 5626; graduate students will be assigned additional work.

ATR 4314L  Rehabilitation of Athletic Injuries Laboratory
1 sh (may not be repeated for credit)
Prerequisite: ATR 2010
Co-requisite: ATR 4314
Provides the athletic training student an opportunity to demonstrate proper application of required competency skills in the area of rehabilitation. Permission is required.

ATR 4420  Pharmacology Application in Athletic Training
3 sh (may not be repeated for credit)
Prerequisite: ATR 3212
Provides information on the use, interaction, side effects of pharmaceuticals used in the treatment of athletes. Provides instruction in pharmacodynamics, pharmacokinetics used in the description of medical conditions associated with athletic injury diagnosis and classification.
ATR 4432  General Medical Conditions
2 sh (may not be repeated for credit)
Prerequisite: ATR 3212
A specialized course dealing with the pathology, signs and symptoms, and management/treatment of selected general medical conditions affecting the physically active individual.

ATR 4832  Athletic Training Clinical III
3 sh (may not be repeated for credit)
Prerequisite: ATR 3822
Students will refine many of the athletic training skills which were introduced during other courses. These include diagnostic techniques, assess and interpret clinical findings based on cardiovascular function, pulmonary functions, gastrointestinal function, as well as other body areas. Students will also improve skills in educating patients including home care, expanding rehabilitation skills, and perform comprehensive evaluations on upper extremities, the head, neck and thorax. Clinical experiences are obtained in various athletic training settings, including the university? s athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 4842  Athletic Training Clinical IV
3 sh (may not be repeated for credit)
Prerequisite: ATR 4832
Students will refine many of the athletic training skills which were introduced during other courses. These include evidence based practices, general nutrition concepts, disordered eating intervention, drug use intervention, use clinical reasoning skills, perform a comprehensive clinical exam on all body parts and systems, psychological interventions, and establish a health baseline for patients. Clinical experiences are obtained in various athletic training settings, including the university? s athletic settings, local high schools, outpatient rehabilitation clinic and other settings where designated preceptors are utilized. Students are assigned to a supervising preceptor at each clinical experience site.

ATR 4902  Directed Study
1-12 sh (may not be repeated for credit)
Prerequisite: ATR 4832

ATR 4933  Senior Seminar in Athletic Training
3 sh (may not be repeated for credit)
Prerequisite: ATR 4314 AND ATR 4213 AND ATR 4314 AND PET 4609
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 interpreting skills, writing resumes and research papers. Permission is required. Credit may not be received in both APK 4113, ATR 4933 and PET 4621.

BCH-Biochem (Biophysics) Courses

BCH 3033  Biochemistry I
3 sh (may not be repeated for credit)
Prerequisite: BSC 2010/L AND CHM 2210
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*
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.

BCH 3034  Biochemistry II
3 sh (may not be repeated for credit)
Prerequisite: 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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BCH 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BCH 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BCH 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
* This course may be taken prior to or during the same term.

BCN-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)
Prerequisite: MAC 1114 AND PHY 2053
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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
BCN 3224  Construction Materials and Method
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)
Prerequisite: MAC 1114
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. Credit cannot be received for both BCN 3281C and BCN 3282C.
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 included are 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)
Preparation for the National Construction Specification Exam for Construction Document Technician certification. Material and Supply fee will be assessed.
BCN 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
BCN 4258C  Building Information Modeling
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 shear, 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 not be repeated for 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)
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 4773  Construction Finance and Controls
3 sh (may not be repeated for credit)
Prerequisite: EGN 3613
The basic principles and application of construction ownership and business management will be covered. The emphasis for the course will be on financial management, risk management, labor law, worker? s compensation. Accounting competencies are also covered. The outline for the course covers the topics contained in the Business Section of the Florida Contractor? s Manual. Additionally, sections of the AICPA Audit and Accounting Guide for Construction Contractors will be included.
BCN 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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.
BME-Biomedical Engineering Courses

BME 4007  Biomechanics
3 sh (may not be repeated for credit)
Prerequisite: EGM 2500

Mechanics of the musculoskeletal system with an emphasis on the control of human movement. Topics include kinetics, kinematics, anthropometry, mechanical work, energy and power.

BOT-Botany Courses

BOT 2010  General Botany
3 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. Satisfies UWF Breadth requirement in Natural Sciences.

BOT 2010L  General Botany lab
1 sh (may not be repeated for credit)
Co-requisite: BOT 2010

BOT 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BOT 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BOT 4374  Plant Developmental Biology
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L
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 5506; graduate students will be assigned additional work. Material and supply fee will be assessed for corresponding lab.

BOT 4374L  Plant Developmental Biology Laboratory
1 sh (may not be repeated for credit)
Co-requisite: BOT 4374

Is designed to accompany BOT 4374. 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 5376L; graduate students will be assigned additional work. Material and supply fee will be assessed.

BOT 4404C  Aquatic Botany
4 sh (may not be repeated for credit)

Morphology, taxonomy, physiology and ecology of aquatic plants, especially freshwater and marine algae. Material and supply fee will be assessed for corresponding lab.

BOT 4503  Plant Physiology
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L
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
1 sh (may not be repeated for credit)
Co-requisite: BOT 4503

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 4734  Plant Biotechnology
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L
Co-requisite: BOT 4734L

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 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 4734L  Plant Biotechnology Laboratory
1 sh (may not be repeated for credit)
Co-requisite: BOT 4734

Corresponding Lab for Plant Biotechnology.

BOT 4850  Medicinal Botany
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
BOT 5376  Plant Developmental Biology  
3 sh (may not be repeated for credit)  
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  
1 sh (may not be repeated for credit)  
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  
3 sh (may not be repeated for credit)  
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  
1 sh (may not be repeated for credit)  
Co-requisite: BOT 5506  
Corresponding lab for Plant Physiology.

BOT 5735  Plant Biotechnology  
3 sh (may not be repeated for credit)  
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  
1 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)  
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.

BOT 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

BOT 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

**BSC-Biological Sciences Courses**

BSC 1005  General Biology for Non-Majors  
2 sh (may not be repeated for credit)  
Prerequisite: BSC 1005L*  
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. Satisfies Florida Common Core Natural Sciences requirement.

BSC 1005L  General Biology Laboratory for Non-Majors  
1 sh (may not be repeated for credit)  
Prerequisite: BSC 1005*  
Lab correlating with BSC 1005. Material and Supply Fee will be assessed. Satisfies Florida Common Core Natural Sciences requirement.

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. Satisfies UWF Breadth requirement in Natural Sciences.

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. Satisfies Florida Common Core Natural Sciences requirement.

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. Material and supply fee will be assessed.
BSC 1086 Anatomy and Physiology II
3 sh (may not be repeated for credit)
Prerequisite: BSC 1085
Continuation of Anatomy and Physiology I. Reviews basic anatomical/
physiological attributes of endocrine, cardiopulmonary, digestive,
reproductive and immune systems. Lab optional. Satisfies UWF
Breadth requirement in Natural Sciences.

BSC 1086L Anatomy & Physiology II Laboratory
1 sh (may not be repeated for credit)
Optional lab associated with course. Anatomical dissections and
experimental physiology exercises that enhance understanding of
human form and function. Exercises parallel topics presented in the
lecture series. Material and Supply Fee will be assessed.

BSC 1905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

BSC 2010 Biology I
3 sh (may not be repeated for credit)
Introduction to the cellular processes of living organisms, including
subcellular structures, biochemical and genetic regulation of function
and growth, reproduction, heredity, and evolution. Material and supply
fee will be assessed for the corresponding lab. Satisfies Florida
Common Core Natural Sciences requirement.

BSC 2010L Biology I Laboratory
1 sh (may not be repeated for credit)
Prerequisite: BSC 2010*
Introduction to the method, reading, and writing, microscopy,
and science measurement. Cellular processes of prokaryotic and
eukaryotic organisms, including subcellular structures, biochemical and
genetic regulation of function and growth, reproduction, heredity,
evidence of evolution. Material and supply fee will be assessed for this
lab.

BSC 2011 Biology II
3 sh (may not be repeated for credit)
Prerequisite: BSC 2010/L
Explores the diversity of life including bacteria, protists, fungi, plants
and animals at the introductory level designed for students starting a
major in biology. The course will outline the tree of life in illustrating
the evolutionary relationships among organisms. The course will also
cover basic functional morphology and physiology at the organismal
level, and provide an introduction to ecological interactions at the
population and community level. Satisfies UWF Breadth requirement in
Natural Sciences.

BSC 2011L Biology II Laboratory
1 sh (may not be repeated for credit)
Prerequisite: BSC 2011*
Explores the diversity of life including bacteria, protists, fungi, plants
and animals at the introductory level designed for students starting a
major in biology. The course will outline the tree of life in illustrating
the evolutionary relationships among organisms. The course will also
cover basic functional morphology and physiology at the organismal
level, and provide an introduction to ecological interactions at the
population and community level.

BSC 2311 Introduction to Oceanography and Marine Biology
3 sh (may not be repeated for credit)
An introduction to the chemical, physical and geological features of
the world ocean and the major groups of living marine organisms that
inhabit it. Physical chemical and biological interrelationships will be
emphasized. Credit not granted toward a major in Biology. Satisfies
UWF Breadth requirement in Natural Sciences.

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. Material and Supply Fee will be assessed.

BSC 2844 Biology Skills
1 sh (may not be repeated for credit)
A professional development course for students in the Biology and
Pre-professional curriculum plan. It will introduce the students to
necessary skills for upper division biology courses, including reading
and interpretation of scientific publications, scientific writing styles,
ethics, and critical thinking.

BSC 2905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

BSC 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.

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 4434 Bioinformatics and Data Science
3 sh (may not be repeated for credit)
This course explores concepts and practical applications in
bioinformatics. It covers essential topics such as data organization,
representing and reasoning about sequence data, simple data mining
strategies, and ethical protocols for data collection. Students will learn
how to apply data science principles to biological and clinical problems
to effectively work with large data sets, format data, and design
applications to help visualize, analyze, interpret, and communicate the
resulting insights in ways that advance science. 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/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 5856; graduate students will be assigned additional work.

BSC 5856  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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BSC 4941  Clinical Experience in Health Care
3 sh (may not be repeated for credit)

Prerequisite: Completion of 90 hours of college course work is required prior to taking this course.

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.

BSC 5305  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 4303; graduate students will be assigned additional work.

BSC 5856  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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

BSC 6941  Internship in Biomedical/Pharmaceutical Industry
6 sh (may not be repeated for credit)

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 12,000 sh of credit)
Graded on satisfactory / unsatisfactory basis only. Permission is required.
* This course may be taken prior to or during the same term.

BTE-Business Teacher Ed 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. Credit may not be received in both BTE 4401 and EVT 4381.

BUL-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 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

BUL 4244 Commercial Law
3 sh (may not be repeated for credit)
Study of selected topics in law pertaining to business transactions, business environment and associations, and financial securities. Offered concurrently with BUL 5831; graduate students will be assigned additional work.

BUL 4602 Legal Fundamentals of Healthcare and Public Health
3 sh (may be repeated for up to 6,000 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.

BUL 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

BUL 5831 Commercial Law
3 sh (may not be repeated for credit)
Study of selected topics in law pertaining to business transactions, business environment and associations, and financial securities. Offered concurrently with BUL 4244; graduate students will be assigned additional work.

BUL 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CAP-Computer Applications Courses
CAP 4053 AI Programming for Intelligent Environments
3 sh (may not be repeated for credit)
Prerequisite: COP 3530
Introduction to the use of AI methods and programming for the development of intelligent systems, including game AI systems, robotic applications, and educational environments. Students will identify an appropriate AI project topic of interest to them, and work individually or as teams to design, develop, and evaluate an AI system for that topic.

CAP 4601 Artificial Intelligence
3 sh (may not be repeated for credit)
Prerequisite: COP 3411 OR COP 3530
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 AND 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
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 and decision tree induction. Offered concurrently with CAP 5771; graduate students will be assigned additional work.

CAP 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CAP 5600 Introduction to Artificial Intelligence
3 sh (may not be repeated for credit)
Introduction to basic Artificial Intelligence theories and methods for solving complex and difficult problems using computers; goal-oriented procedures, search problems, knowledge representation and machine learning. Topics will include intelligent systems such as expert systems, intelligent agents and robots. Will be conducted within a cognitive science framework.

CAP 5701 Computer Graphics and Simulation
3 sh (may not be repeated for credit)
Prerequisite: COP 3530 AND MAC 2312 AND 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.
CCJ 2002   Survey of Crime and Justice
3 sh (may not be repeated for credit)
Prerequisite: COP 5725
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. Satisfies UWF Breadth requirement in Social Sciences.

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   Criminal Justice System
3 sh (may not be repeated for credit)
Introductory analysis of the American criminal justice system. Structure, organization and process of the criminal justice system, the roles and responsibilities of criminal 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 3553   Family Crime and Violence
3 sh (may not be repeated for credit)
Survey of major issues related to family relationships and criminal activity, including theoretical explanations for family violence, patterns of family violence in the United States, and how family relationships during childhood can affect long-term behavior. This course will help to elucidate some of the most important elements of the connection between family relationships and crime.

CCJ 3654   Drugs, Crime, and Criminal Justice
3 sh (may not be repeated for credit)
Explores the interactions between drugs, crime, and society. Relevant history, theory, and research related to drug use, prevention, rehabilitation, and the drug-crime link will be explored critically. Additionally, this course will examine the pharmacology of drugs and the prevalence of usage. As such, this course aims to provide a foundation for a better understanding the relationship between drugs, crime, and the criminal justice system.

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. Meets 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.
This capstone class is a comprehensive and critical review of the criminal justice curriculum with a focus on contemporary issues. This seminar will help students explore and prepare for a career in criminal justice and/or graduate education. Students are provided the opportunity to explore current criminal justice issues and criminal justice careers through an integration of knowledge gained in the criminal justice curriculum. Students will demonstrate oral and written communication skills.

CCJ 4010 OR CJE 4110 OR CJL 3510
Prerequisite: ((CCJ 3014 AND CCJ 3024 AND CCJ 4700)) AND (CJC 4010 OR CJE 4110 OR CJL 3510)
Internship in field of criminal justice intended to give field observation and experience. This internship is a cooperative effort between the criminal justice program at the University of West Florida and public or private community agencies. The purpose of the internship is to give students the opportunity to apply their education to actual work situations. The student works under the supervision of an agency professional. A 3 credit hour internship may be used to satisfy the capstone experience in the criminal justice core requirements.

CCJ 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
CCJ 4931 Special Topics in Criminal Justice
3 sh (may be repeated for up to 18.000 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 4939 Criminal Justice Seminar
3 sh (may not be repeated for credit)
Prerequisite: (CCJ 3014 AND CCJ 3024 AND CCJ 4700) OR CJC 4010 OR CJE 4110 OR CJL 3510
This capstone class is a comprehensive and critical review of the criminal justice curriculum with a focus on contemporary issues. This seminar will help students explore and prepare for a career in criminal justice and/or graduate education. Students are provided the opportunity to explore current criminal justice issues and criminal justice careers through an integration of knowledge gained in the criminal justice curriculum. Students will demonstrate oral and written communication skills.

CCJ 4940 Criminal Justice Internship
1-6 sh (may be repeated for up to 9.000 sh of credit)
Prerequisite: ((CCJ 3014 AND CCJ 3024 AND CCJ 4700)) AND (CJC 4010 OR CJE 4110 OR CJL 3510)
Internship in field of criminal justice intended to give field observation and experience. This internship is a cooperative effort between the criminal justice program at the University of West Florida and public or private community agencies. The purpose of the internship is to give students the opportunity to apply their education to actual work situations. The student works under the supervision of an agency professional. A 3 credit hour internship may be used to satisfy the capstone experience in the criminal justice core requirements.
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 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CCJ 6910 Criminal Justice Area Paper
3 sh (may not be repeated for credit)
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 12.000 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 6946 Criminal Justice Internship
3 sh (may not be repeated for credit)
Internship in field of criminology and criminal justice intended to give field observation and experience. This internship is a cooperative effort between the criminal justice program at the University of West Florida and public or private community agencies. The purpose of the internship is to give students the opportunity to apply their education to actual work situations. The student works under the supervision of an agency professional. Course requirements include a research component.

CDA-Computer Design/Archit Courses

CDA 3101 Introduction to Computer Organization
3 sh (may not be repeated for credit)
Prerequisite: COP 2253 OR COP 2334 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 assembly language programming.

CDA 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CDA 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CDA 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CEN-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: (CEN 3031 AND COP 3022) AND (COP 3530)
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 4078 Secure Software Development
3 sh (may not be repeated for credit)
Prerequisite: (COP 3022 OR COP 4331) AND (COP 3530)
Examines the importance of building security into the design, implementation and testing phases of software development. Covers coding techniques that avoid known vulnerabilities and test strategies that can uncover previously unknown weaknesses. Includes discussion of security policies and design principles.

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 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.

CEN 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.

CEN 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.

CEN 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.

CEN 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CEN 6910 Criminal Justice Area Paper
3 sh (may not be repeated for credit)
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.

CEN 6930 Seminar: Special Topics in Criminal Justice
3 sh (may be repeated for up to 12.000 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.

CEN 6946 Criminal Justice Internship
3 sh (may not be repeated for credit)
Internship in field of criminology and criminal justice intended to give field observation and experience. This internship is a cooperative effort between the criminal justice program at the University of West Florida and public or private community agencies. The purpose of the internship is to give students the opportunity to apply their education to actual work situations. The student works under the supervision of an agency professional. Course requirements include a research component.

CDA-Computer Design/Archit Courses

CDA 3101 Introduction to Computer Organization
3 sh (may not be repeated for credit)
Prerequisite: COP 2253 OR COP 2334 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 assembly language programming.

CDA 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CDA 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CDA 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
CEN 4400  Introduction to Operations Research  
3 sh (may not be repeated for credit)  
Prerequisite: (MAC 2311 OR MAC 2233) AND (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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

CEN 4910  Undergraduate Computer Science Research  
1-4 sh (may be repeated for up to 7.000 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 5079  Secure Software Development  
3 sh (may not be repeated for credit)  
Prerequisite: COP 5007  
Examines the importance of building security into the design,  
implementation and testing phases of software development. Covers  
coding techniques that avoid known vulnerabilities and test strategies  
that can uncover previously unknown weaknesses. Includes discussion of  
security policies and design principles. Prior to taking this course  
students should have knowledge and skill in software development.  
Offered concurrently CEN 4078; Graduate students will have additional  
work.

CEN 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

CEN 5915  Graduate Computer Science Research  
1-4 sh (may be repeated for up to 2.000 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 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. Can be used for research leading to master's thesis.  
Permission is required.

CEN 6016  Software Engineering Process  
3 sh (may not be repeated for credit)  
Prerequisite: COP 5007  
CEN6016 is a professional practice course in which the students will  
create several software engineering design documents. Students  
will also critique and debate current topics and trends in software  
engineering. Finally, prominent software engineering approaches,  
methods, and processes (e.g., CMMI, Agile processes) are examined  
and compared.

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. Offered Fall Semester  
only.

CEN 6064  Software Design  
3 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 6095  Software Engineering Practice and Tools
3 sh (may not be repeated for credit)
Prerequisite: CEN 6016 AND COP 5007
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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
- This course may be taken prior to or during the same term.

**CET-Computer Engineering Tech Courses**

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.

**CGS-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. Satisfies UWF Breadth requirement in Natural Sciences.

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.

CGS 2570  Personal Computer Applications
3 sh (may not be repeated for credit)
Internet Based online course, which provides practical experience with current popular microcomputer application packages. Students typically learn to use word-processing, spreadsheet, database software, and PowerPoint. Required for CIS majors but may not be taken for credit by CS majors.

CGS 3183  Basic Web Applications
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
Introduces the student to the concepts and principles of designing software tools used in web applications. The student will gain hands on experience in developing, manipulating, and implementing web tools such as databases and server-side programming. Credit may not be received in both CGS 3183 and CGS 3172.

CGS 3284  Network Management and Design
12 sh (may not be repeated for credit)
Develops the skills required to successfully manage and troubleshoot the ongoing needs of Microsoft Windows 2000 and 2003 server-based operating system environments, including Windows.Net Server. May not be taken for credit by CS/CIS majors. Permission is required.

CGS 3464  Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
An introductory course in programming for non-majors. Incorporates the basic concepts of programming, programming logic and problem solving, as well as the design features of a visual, event driven language. Students will use a visual interface to program useful applications.

CGS 3604  Applications of Information Technology
3 sh (may not be repeated for credit)
Prerequisite: (CGS 2570) AND (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. Credit may not be received in both CGS 3853 and CGS 3823.

CGS 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

CGS 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

CGS 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**CHI-Chinese Courses**

CHI 1100  Chinese Language I
4 sh (may not be repeated for credit)
Chinese I is a semester-long course designed for non-native Chinese learners. It introduces students to the official Chinese language—Mandarin (or Putonghua). The course aims to help students obtain an adequate mastery of basic language skills in both spoken and written Chinese and lay a good foundation for further study of this language. Throughout the semester, this class will also introduce the Chinese culture and tradition to students. Students will learn the Chinese phonology, vocabulary and grammar, and sentence patterns; they will also learn how to read and write Chinese characters. Specifically, through such activities as vocabulary-in-context, sentence pattern practice, listening and reading comprehension, dialogue and role-play, students will learn to use Chinese in speech and writing in common, real-life scenarios.
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. Satisfies Florida Common Core Natural Sciences requirement.

CHM 1020L   Concepts in Chemistry Lab
1 sh (may not be repeated for credit)
Prerequisite: CHM 1020*
Introduction to laboratory safety, experimental techniques. Laboratory experiments on polymers, radioactivity, toxic chemicals, energy, etc. Material and supply fee will be assessed. 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. Satisfies UWF Breadth requirement in Natural Sciences.

CHM 1032L   Fundamentals of General Chemistry Laboratory
1 sh (may not be repeated for credit)
Prerequisite: 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. A grade of "C-" or higher is required in prerequisite courses. Material and supply fee will be assessed.

CHM 1905   Directed Study
1-12 sh (may be repeated indefinitely for credit)
CHM 2045   General Chemistry I
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 OR MAC 1140* OR MAC 2311*
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. A grade of "C-" or higher is required in prerequisite courses. Satisfies Florida Common Core Natural Sciences requirement.

CHM 2045L   General Chemistry I Laboratory
1 sh (may not be repeated for credit)
Prerequisite: 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. 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/L
Continuation of CHM 2045 with emphasis on chemical calculations and problem solving. Topics include thermodynamics, equilibria, kinetics and an introduction to transition metal complexes. A grade of "C-" or higher is required in prerequisite courses. Satisfies UWF Breadth requirement in Natural Sciences.

CHM 2046L   General Chemistry II Laboratory
1 sh (may not be repeated for credit)
Prerequisite: 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. A grade of "C-" or higher is required in prerequisite courses.

CHM 2210   Organic Chemistry I
3 sh (may not be repeated for credit)
Prerequisite: CHM 2046
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*
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
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 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
3 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
1 sh (may not be repeated for credit)
Prerequisite: CHM 2046L AND CHM 3120*
Co-require: CHM 3120
Fundamentals of quantitative chemical analysis; introduction to modern techniques. Material and Supply Fee will be assessed. 8 sh of general chemistry required. 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/L AND CHM 2211/L*
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 organometallics 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. 8 sh 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/L AND MAC 2312) OR PHY 2054/L OR PHY 2048/L
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 AND MAC 2312 AND PHY 2049/L*
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 AND 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 3940  Chemistry Internship
1-12 sh (may be repeated indefinitely for credit)
Prerequisite: (CHM 3120) AND (CHM 3400C OR CHM 3411)
Material and supply fee will be assessed. Experiments with emphases on equilibria, kinetics and spectroscopy. 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 4.000 sh of credit)
Prerequisite: (CHM 3120) AND (CHM 3400C OR CHM 3411)
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 3120) AND (CHM 3400C OR CHM 3411)
Co-require: CHM 4130
A corresponding lab for Instrumental Analysis lab.
CHM 4455 Introduction to Polymer Science
2 sh (may not be repeated for credit)
Prerequisite: ((CHM 2210/L AND CHM 2211/L)) AND (CHM 3400C OR CHM 3410)
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/L AND CHM 2211/L)) AND (CHM 3400C OR CHM 3410)
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 4610 Inorganic Synthesis
1 sh (may not be repeated for credit)
Prerequisite: CHM 4611*
Modern techniques in the synthesis, separation, purification and characterization of inorganic compounds. Material and Supply fee will be assessed.

CHM 4611 Inorganic Chemistry
4 sh (may not be repeated for credit)
Prerequisite: CHM 3400C OR CHM 3411
The structure, reactivity, kinetics and reaction mechanisms of inorganic and organometallic compounds.

CHM 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CHM 4912 Undergraduate Chemistry Research
1-4 sh (may be repeated for up to 12.000 sh of credit)
Prerequisite: CHM 3400C OR CHM 3411
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 12.000 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 not be repeated for credit)
The course will include seminars by visiting scientists, university faculty and students on current research in chemistry, as well as scientific literacy, professional ethics, hazard waste regulations, resume writing, and presentation skills.

CHM 5134 Instrumental Analysis
3 sh (may not be repeated for credit)
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
1 sh (may not be repeated for credit)
Prerequisite: 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.

CIS-Compt Sci Inform Systs Courses

CIS 2530 Introduction to Cyber Security
3 sh (may not be repeated for credit)
This course introduces students to cyber security. It provides information related to cyber threats as well as the basic security design and information assurance fundamentals. In addition the course covers information assurance controlling laws and guidelines. Satisfies UWF Breadth requirement in Natural Sciences.

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 Meets Gordon Rule Writing Requirement.

CIS 3949 Cooperative Education
1-2 sh (may be repeated for up to 4.000 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 OR COP 2334* OR COP 2830 OR 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.

CHS-Chemistry: Specialized Courses
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 4368 Introduction to Database Security
3 sh (may not be repeated for credit)
Prerequisite: COP 4710

The Database Security course follows guidelines set forth by the National Security Agency/Department of Homeland Security Centers of Academic Excellence in Information Assurance and Cyber Defense. This course is considered a core knowledge unit for institutions to be considered a Center of Academic Excellence. Database Security is designed to teach students how database systems are used, managed, and issues associated with protecting the associated data assets. This undergraduate course is a requirement for the B.S. in Cybersecurity and will be an elective for all other undergraduate Computer Science programs. Prerequisites: COP 4710, minimum grade of C-.

CIS 4385 Ethical Hacking and Penetration Testing
3 sh (may not be repeated for credit)
Prerequisite: COP 3022 OR COP 3530

This course provides a understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers. The tools and methodology will focus on gathering information and identifying flaws and vulnerabilities in documentation, software and computer systems, and exploiting those flaws. In addition, the course provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Students will be provided with an overview of computer crime laws. Offered concurrently with CIS 5396; graduate students will be assigned additional work. Credit cannot be received in both CIS 4385 and CIS 5396.

CIS 4590 Capstone Project I
3 sh (may not be repeated for credit)
Prerequisite: COP 4331

This is the first course of the two-course Capstone Project sequence for the Computer Science program. The course provides foundational software engineering concepts focusing on best practices and methods for designing, developing, and evaluating software systems. Students will work individually or as teams to identify a capstone project topic that focuses on developing a software system to solve a complex real-world problem. Students will develop a project proposal, plan and design specifications for their selected project topic. The final product will be the design of a software system and plan for system completion and evaluation, which will form the basis of their work in the Capstone Project II course. Prerequisites: COP 4331, minimum grade C-.

CIS 4592 Capstone Project II
3 sh (may not be repeated for credit)
Prerequisite: CIS 4590

This is the second course of the two-course Capstone Project sequence for the Computer Science Program. The second course provides additional software engineering concepts and skills for developing and evaluating software systems. Students will continue the project they started in Capstone I, and work individually or as teams to develop a software system to solve a complex real-world problem. Students will develop a project plan, multiple prototypes and a final software system for the project topic and design developed in Capstone I. Students will also develop a final report that includes an evaluation of their system and present their project outcomes.

CIS 4595C Capstone Systems Project
3 sh (may not be repeated for credit)
Prerequisite: CEN 3032 OR (CNT 4007C AND CNT 4014C) OR (CNT 4007C AND COP 4610) OR COP 4635

Develop a software system for a real-world client while working in small teams. Develop and deliver relevant artifacts such as a project proposal, design, test plan, code, user's manual, and project log with metrics as the software system evolves throughout the course. A final presentation and evaluation of the project experience will be prepared.

CIS 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CIS 4941 Computer Science Internship
1-3 sh (may not be repeated for credit)

Supervised field practicum in computer-related position. May include activities in computer programming, database administration, web-development, systems administration, network security, etc. Graded on satisfactory / unsatisfactory basis only. Juniors or seniors with minimum cumulative GPA of 3.00 will be eligible. Permission is required.

CIS 5396 Ethical Hacking and Penetration Testing
3 sh (may not be repeated for credit)
Prerequisite: CDA 6415 AND COP 6025

This course provides a understanding of how to effectively protect computer networks. Students will learn the tools and penetration testing methodologies used by ethical hackers. The tools and methodology will focus on gathering information and identifying flaws and vulnerabilities in documentation, software and computer systems, and exploiting those flaws. In addition, the course provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Students will be provided with an overview of computer crime laws. Offered concurrently with CIS 4385; graduate students will be assigned additional work. Credit may not be received in both CIS 5396 and CIS 4385.

CIS 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
CIS 6376  Database Security
3 sh (may not be repeated for credit)
Prerequisite: COP 5725
Database Security is designed to teach students how database systems are used, managed, and issues associated with protecting the associated data assets. This course will cover various methods to ensure information confidentiality, integrity and availability on an assortment of data storage systems. This graduate course is a requirement for the M.S.A. in Cyber Security and will be an elective for all other graduate Computer Science programs. Prerequisites: COP 5725 minimum grade of C.

CIS 6379  Applied Information Security
3 sh (may not be repeated for credit)
This course covers a variety of topics which range from information security fundamentals to the management and planning aspects of information security. Students in this course will learn to design and create information security policies, disaster recovery and risk analysis & mitigation plans. Students will also learn about security models and various physical and technical security controls.

CIS 6394  Digital Forensics
3 sh (may not be repeated for credit)
This course will cover basic concepts and provide a solid foundation for performing a digital forensic examination; introduces tools and techniques required for conducting a forensic analysis on systems and data pertaining to evidences in civil, criminal or administrative cases. It introduces systematic problem-solving techniques and applies them to digital investigations. The theories directly correlate to methods used to recover/restore data for various requirements, ranging from litigation to fraud based investigations.

CIS 6415  Advanced Computer Systems and Networks
3 sh (may not be repeated for credit)
Examines current advancements in computer hardware, operating systems and networks, their relation to each other, and programming practices that takes advantage of them. Topics include pipelined, hyperthreaded, multicore and multiprocessor architectures, scheduling methods, distributed and real-time systems, high-speed networks, routing, congestion and flow control, and quality of service.

CIS 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

CIS 6971  Thesis
1-6 sh (may be repeated for up to 12,000 sh of credit)
Graded on satisfactory / unsatisfactory basis only. Permission is required.
* This course may be taken prior to or during the same term.

CJC-Corrections Courses

CJC 4010  Corrections
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  Community Corrections
3 sh (may not be repeated for credit)
Introduces the student to the subject of community corrections including social, political, and economic conditions that have contributed to the development of community corrections. Identifies the types of community corrections 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.

CJE-Law Enforcement Courses

CJE 3174  Comparative Criminal Justice
3 sh (may not be repeated for credit)
The evolution and operation of criminal justice systems in other nations and cultures including the development of criminal justice in response to social, historical, and political factors. Includes a brief history of the world’s legal systems and an analysis of key procedural and substantive similarities and differences. Associated topics include: administration and function of police, courts, and corrections, and a study and analysis of the increasing internationalization of both the incidence of crime and the administration of criminal justice.

CJE 3444  Crime Prevention
3 sh (may not be repeated for credit)
Provides a foundation of various methods of community crime prevention (prevention outside the traditional confines of the CJS) and their effectiveness. Relevant theory and research related to neighborhood efforts at crime prevention, community policing, school crime prevention, and other situational prevention measures will be explored critically.

CJE 3674  Introduction to the Forensic Sciences
3 sh (may not be repeated for credit)
Forensic Science is the application of scientific disciplines and principles to the legal system, particularly the litigation in court of contested factual disputes. Examines the distinct fields of education and study that collectively comprise the forensic sciences. These fields include among others forensic psychiatry and psychology, forensic anthropology, forensic pathology, forensic toxicology, serology and DNA typing, questioned documents, crime scene investigation, forensic engineering, fingerprint evidence, polygraph and other investigative devices, and forensic chemistry including drug analysis. Credit may not be received in both CJE 3674 and CJE 3670.

CJE 3694  Cybercrime
3 sh (may not be repeated for credit)
Cybercrime is a course for students with a beginning interest in studying crimes committed using digital technology. The course explores the etiology of cybercrime, the various types of cybercrime, law enforcement response, and the prevention of digital crime.
CJE 4110  Policing
3 sh (may not be repeated for credit)
Analysis of the role of and challenges to policing in a democratic society. Examination of contemporary and historical influences on police policy, personnel, and organization. Discussion of police function within society.

CJE 4610  Criminal Investigation
3 sh (may not be repeated for credit)
An introduction to criminal investigation. Topics will include investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences and case and trial preparation. Credit may not be received in both CJE 4610 and CCJ 4239.

CJE 4613  Homicide
3 sh (may not be repeated for credit)
An examination of homicide and its investigation. Includes types of homicide as well as death by natural and accidental causes. Reviews and expands on investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences and case and trial preparation.

CJJ-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. Credit may not be received in both CJJ 4010 and CCJ 4501.

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.

CJL-Law and Process Courses
CJL 3510  Courts
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.

CLP-Clinical Psychology Courses
CLP 3008  Psychology of Personal Growth
3 sh (may not be repeated for credit)
Prerequisite: PSY 2012
Psychology of Personal Growth is an experiential, theme-oriented class exploring life choices in the struggle for personal autonomy, adjustment, and growth. Themes for this class include review of childhood and adolescence, adulthood and autonomy, work and leisure, body image, gender roles, culture, sexuality, love, relationships, loneliness, death and loss, meaning, and values.

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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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. Credit cannot be received in both CLP 4314 and PSY 4820.

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
CLP 5166  Psychopathology
3 sh (may not be repeated for credit)

Students must take CLP 3144 before enrolling in this course. 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.

CLP 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

CLP 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**CNT-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

This course provides students with an understanding of the concepts of computer and network security using currently available technology. The course provides students with an understanding of the options available to mitigate threats within a system and teach students the techniques that can be taken to protect a network and communication assets from cyber threats.

CNT 4416  Cyber War Gaming
3 sh (may not be repeated for credit)
Prerequisite: CDA 3101 AND CIS 4385 AND CNT 4403

Every organization, whether part of the government or the private sector, needs 'battle-tested' IT personnel in order to defend its networks against attack. The most effective way to provide this experience is to recreate the exact scenarios, no matter how nefarious, they will see in the real world. This course provides exercises that use different specialties (network, security, visualization, software, etc.) into color-coded red and blue teams that perform specific roles in attacking and defending IT infrastructures. Prerequisites: CNT 4403, CIS 4385 and CDA 3101 (minimum grade C-).

CNT 6519  Wireless Network Security
3 sh (may not be repeated for credit)

The objective of the course is to study and understand the security and research challenges of existing and emerging wireless networks. Students will learn about various security issues such as key management, privacy, authentication and secure data aggregation and the algorithms used to resolve these issues.

**COM-Communication Courses**

COM 2203  Communication Dynamics
3 sh (may not be repeated for credit)

This course provides a theoretical foundation for understanding communication in the workplace, personal relationships, and mediated environments. Students will master the basics of conflict management, listening, nonverbal communication, strategic use of language, interviewing, leadership, teamwork, and intercultural communication. The course provides a foundation for advanced-level studies in communication and helps students master communication proficiencies essential to success in professional and personal life.

COM 2713  Writing for the Communication Professions
3 sh (may not be repeated for credit)
Prerequisite: ENC 1101 AND ENC 1102

This introductory course exposes students to writing for communication professions such as advertising, public relations, and journalism. Students strengthen grammar and develop the writing skills necessary for specific forms of writing. Students will explore various types of writing such as newswriting, public relations writing, and advertising copy. Students will become familiar with Associated Press Style.

COM 3003  Integrated Advertising & Public Relations Concepts
3 sh (may not be repeated for credit)
Prerequisite: COM 2713

Three hours. Survey of advertising and public relations methods. Emphasis on preparation of advertisements, professional communication strategies and tactics, use of industry standard research methods, and communication campaigns. This course serves as the foundation for all other advertising & public relations courses.

COM 3014  Gender 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. This course is designed to increase your understanding of gender as it is constructed, performed, evaluated, and negotiated through communication. Meets Multicultural Requirement.

COM 3365  Conflict Management
3 sh (may not be repeated for credit)

This course focuses on the management of conflict through effective communication. Hands on student learning is emphasized. The course offers the theoretical investigation of communication barriers and breakdowns in interpersonal and public settings. The areas of interpersonal, organizational, cross-cultural and moral conflicts are highlighted.
COM 3461  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 and pursuing a more just global society. Meets Multicultural Requirement.

COM 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
COM 3948  Service Learning Field Study II
1-3 sh (may be repeated for up to 4.000 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 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. Credit may not be received in both COM 4103 and COM 4103C.

COM 4110  Business and Professional Communication
3 sh (may not be repeated for credit)
Prerequisite: SPC 3301
Practical understanding of communication practices affecting the workplace. 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 4301  Communication Research
3 sh (may not be repeated for credit)
This course will examine primary and secondary research methods useful to comprehensive communication investigation and integrated public relations/advertising campaigns.

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
COM 4940  Internship in Communication
1-3 sh (may be repeated for up to 6.000 sh of credit)
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)
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 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)
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 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 5277 Communication Agency
1.5 sh (may not be repeated for credit)
Guides students through the development and implementation of a series of strategic and organizational communication projects utilizing an "agency-style" team based format. Permission is required.

COM 5925 Directed Study
1-12 sh (may be repeated indefinitely for credit)

COM 5930 Special Topics in Communication
1.5-3 sh (may be repeated for up to 9,000 sh of 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.

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.

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 6528 Team-Based Project
1.5 sh (may not be repeated for credit)
Guides a team of students in applying the principles of strategic communication, leadership, and project management to a community-based project. Permission is required.

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 6705 Directed Study
1-12 sh (may be repeated indefinitely for credit)

COM 6930 Organizational Communication Project
1-6 sh (may not be repeated for 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.

COP-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 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 to solve complex problems in a secure and robust manner.
COP 3905   Directed Study
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 2830   Script Programming
3 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 3022   Intermediate Computer Programming
3 sh (may not be repeated for credit)
Prerequisite: (MAC 2311 OR MAC 2233) AND (COP 2253)

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 be included in the intermediate computer programming course. Emphasis will be on developing skills in program design as a necessary prerequisite to effective implementation. The lab time will provide an active learning experiences in design and coding.

COP 3014   Algorithm and Program Design
3 sh (may not be repeated for credit)
Prerequisite: COP 3014

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 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 3665   iPhone/iPad Programming
3 sh (may not be repeated for credit)

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 3530   Data Structures and Algorithms I
3 sh (may not be repeated for credit)
Prerequisite: COP 3014

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 5173   Advanced Visual Basic Programming
3 sh (may not be repeated for credit)
Prerequisite: COP 3530

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 be included in the intermediate computer programming course. Emphasis will be on developing skills in program design as a necessary prerequisite to effective implementation. The lab time will provide an active learning experiences in design and coding.

COP 4020   Programming Languages
3 sh (may not be repeated for credit)
Prerequisite: (COP 4331 AND COP 4534) OR (COP 3022 AND COP 3530)

Programming language theory and practice, including language design and implementation, theoretical foundations, language translation, and exposure to a variety of programming paradigms.

COP 4027   Advanced Computer Programming
3 sh (may not be repeated for credit)
Prerequisite: COP 3022

The third course in the introductory programming sequence. Addresses advanced topics including multi-threaded programs, the basics of data structures, generic programming, basic client-server programming, XML and web-based applications. Emphasis will be on developing skills in program design as a necessary prerequisite to effective implementation.

COP 4365C   Advanced Topics in C# Programming
3 sh (may not be repeated for credit)
Prerequisite: (COP 2253 OR COP 2334) AND (COP 4710)

This course covers advanced concepts and applications of C# programming. Topics covered will include: event-driven programming, user interfaces, inheritance, exception handling and input/output, data structures, threads and animation, networking, interfacing with databases, and the creation and implementation of Active X. Senior standing is required.

COP 3022   Intermediate Computer Programming
3 sh (may not be repeated for credit)
Prerequisite: (MAC 2311 OR MAC 2233) AND (COP 2253)

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 be included in the intermediate computer programming course. Emphasis will be on developing skills in program design as a necessary prerequisite to effective implementation. The lab time will provide an active learning experiences in design and coding.

COP 3530   Data Structures and Algorithms I
3 sh (may not be repeated for credit)
Prerequisite: COP 3014

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 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

COP 4020   Programming Languages
3 sh (may not be repeated for credit)
Prerequisite: (COP 4331 AND COP 4534) OR (COP 3022 AND COP 3530)

Programming language theory and practice, including language design and implementation, theoretical foundations, language translation, and exposure to a variety of programming paradigms.

COP 4027   Advanced Computer Programming
3 sh (may not be repeated for credit)
Prerequisite: COP 3022

The third course in the introductory programming sequence. Addresses advanced topics including multi-threaded programs, the basics of data structures, generic programming, basic client-server programming, XML and web-based applications. Emphasis will be on developing skills in program design as a necessary prerequisite to effective implementation.

COP 4173   Advanced Visual Basic Programming
3 sh (may not be repeated for credit)
Prerequisite: COP 3530

Exploration of the fundamental ideas behind object-oriented programming, including encapsulation, inheritance, and polymorphism. 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.

COP 4331   Object Oriented Programming
3 sh (may not be repeated for credit)
Prerequisite: COP 3530

Exploration of the fundamental ideas behind object-oriented programming, including encapsulation, inheritance, and polymorphism. 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.

COP 4365C   Advanced Topics in C# Programming
3 sh (may not be repeated for credit)
Prerequisite: (COP 2253 OR COP 2334) AND (COP 4710)

This course covers advanced concepts and applications of C# programming. Topics covered will include: event-driven programming, user interfaces, inheritance, exception handling and input/output, data structures, threads and animation, networking, interfacing with databases, ASP.NET. Prerequisites: (COP 2253 or COP 2334) and COP 4710 (minimum grade C-).

COP 4534   Data Structures and Algorithms II
3 sh (may not be repeated for credit)
Prerequisite: COP 3530 AND COT 3100'

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, 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 4610  Theory and Fundamentals of Operating Systems  
3 sh (may not be repeated for credit)  
Prerequisite: COP 2253  
A functional systematic examination of the key components and  
theories of a modern operating system, including process, thread  
management, synchronization, I/O, and memory management.  
Emphasizes using several modern operating systems and writing  
programming scripts to manipulate these operating systems.  

COP 4634  Systems & Networks I  
3 sh (may not be repeated for credit)  
Prerequisite: (CDA 3101 OR EEL 3701) AND (COP 3530)  
This course reviews fundamental principles of modern operating  
systems and relates them to computer programming. Students learn  
about the design of various components of operating systems and the  
services they provide to end users and application developers. The  
role of security in operating systems is covered.  

COP 4635  Systems & Networks II  
3 sh (may not be repeated for credit)  
Prerequisite: COP 4534 AND COP 4634 AND STA 4321  
This course is a continuation of topics discussed in System & Networks  
I, focusing on fundamental principles of modern computer networks  
and network programming. The course will study the structure of  
networks, networking devices, network protocol stacks, congestion and  
flow control analysis and algorithms, network routing algorithms and  
protocols, and network traffic analysis. The course also covers client/  
server and peer-to-peer network programming and the role of security  
in networks.  

COP 4710  Database Systems  
3 sh (may not be repeated for credit)  
Prerequisite: COP 2334 OR COP 2253 OR COP 2830  
Introduction to database systems and database management system  
architectures. Various database models are discussed with an  
emphasis on the relational model and relational database design. Case  
applications using fourth-generation languages, such as SQL, are  
included. Offered concurrently with COP 5725; graduate students will  
be assigned additional work.  

COP 4723  Database Administration  
3 sh (may not be repeated for credit)  
Prerequisite: COP 4710  
Database administration skills covering installation, configuration and  
tuning a database, administering servers and server groups, managing  
and optimizing schemes, tables, indexes, and views, creating logins,  
configuring permissions, assigning roles and performing other  
essential security tasks, backup and recovery strategies, automation  
and maintenance.  

COP 4856  Distributed Software Architecture I  
3 sh (may not be repeated for credit)  
Prerequisite: (COP 3022 OR COP 4331) AND (COP 4710)  
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 4864  Client-Side Programming  
3 sh (may not be repeated for credit)  
Prerequisite: COP 4864  
A course in principles of client-side technologies that form the  
complement of server-side applications. This course provides a  
solid foundation for the concepts of client-side programming and an  
introduction into client-side frameworks.  

COP 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

COP 5007  Software Engineering Foundations: Java Programming  
3 sh (may not be repeated for credit)  
A course in the Accelerated Software Engineering Foundations  
Series in which students will gain a comprehensive understanding  
of principles/concepts of Java programming and how to apply  
those principles/concepts in conjunction with principles of software  
engineering to design and develop object-oriented software systems.  
Students taking this course should have an understanding of  
programming language fundamentals including variables, constants,  
selection, iteration, arrays, and functions or methods.  

COP 5725  Database Systems  
3 sh (may not be repeated for credit)  
Prerequisite: COP 5007*  
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.  

COP 5775  Database Administration  
3 sh (may not be repeated for credit)  
Prerequisite: 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.  

COP 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

COP 6025  Advanced Programming Languages  
3 sh (may not be repeated for credit)  
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. Knowledge of COP4020 or COT4420 is  
necessary for success in this course.
COT 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

This course may be taken prior to or during the same term.

**COT-Computer Science Courses**

COT 3100 Discrete Structures
3 sh (may not be repeated for credit)
Prerequisite: (COP 2253 OR COP 2334 OR COP 3014) AND (MAC 2233 OR MAC 2311)

Foundations of Discrete Math with applications to modeling, programming and data structures. Propositional and predicate logic, sets, functions, sequences, summations, algorithms, analysis of algorithms, combinatorics, graphs. Emphasis is on developing programming skills. Can also be taken by CIS majors. Prerequisites: (COP 2253 or COP 2334 or COP 3014) and (MAC 2233 or MAC 2311) minimum grade of C-

COT 4420 Theory of Computation
3 sh (may not be repeated for credit)
Prerequisite: (COP 3530C OR COP 3530) AND (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 5206; graduate students will be assigned additional work. Credit cannot be received in both COT 4420 and COT 5206.

COT 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

COT 5205 Theory of Computation
3 sh (may not be repeated for credit)

Prerequisite: (COT 4420 or COP 3530C or COP 3530) AND (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 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

COT 5930 Computer Science Seminar
3 sh (may be repeated for up to 6.000 sh of credit)

A seminar-style course that provides graduate students with an overview of trends in Computer Science research and development, as well as prepares students for conducting independent research. Specific topics include trends in CS research, software development, and research methods. Permission is required.

COT 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

COT 6931 Computer Science Project
3 sh (may be repeated for up to 6.000 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.

**CPO-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. Satisfies UWF Breadth requirement in Social Sciences. 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, Aristotle, Suetonius, and Machiavelli. Then, using scholarly texts, novels, and films, we will examine historical cases from several continents, drawing parallels and contrasts across them. Meets Multicultural Requirement.

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. Meets Multicultural Requirement.

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 4074 Political Economy
3 sh (may not be repeated for credit)

This course has two objectives in mind. One is to inquire into methods of analysis that borrow certain ideas from economics, such as self-interest and incentives, to the study of politics. One might call this the methodological objective. The other objective is to examine the reciprocal relations between government and the domestic economy. Specifically, it surveys what political scientists and public intellectuals have said about the effect of economic conditions on regime survival and elections, on the one hand, and on the other the impact of regime type and public policy on various measures of the general welfare as economic growth, human development, and income or wealth inequality. We shall begin with excerpts from ancient and modern thinkers, then proceed to analyze scholarship by contemporary political scientists and political economists.

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)

This course examines what it means to be a 21st century democracy. It explores institutional variants of democracy, including different structures of government and electoral systems. It considers the promise and the problems that democracy holds. In the course we will explore democratic variants examining factors such as accountability, competitiveness, transparency, representation. We will examine democratization and how to build and sustain democracy. We will consider preconditions for democracy and discuss the complex relationship between democracy and economics. Offered concurrently with CPO 5315; graduate students will be assigned additional work.

CPO 4761 Religion and International Politics
3 sh (may not be repeated for credit)

This course analyzes how religious beliefs and institutions shape politics that cross borders. It draws upon an array of writings to examine major global phenomena like the religious roots of international order; religious challenges both to modern states and to recent globalization; and activism amongst global religious movements. In turn, the course concentrates on two major issues for scholars, policy- makers and citizens alike: 1) international religious extremism and violence and 2) religious influences on ? and targets of U.S. foreign policy. Examples of topics covered along the way include Evangelical activism and ideologies, religious terrorism and the Israeli-Palestinian conflict. This course is offered concurrently with CPO 5769; graduate students will have additional work.

CPO 4774 Radicalism and Extremism
3 sh (may not be repeated for credit)

Political radicals and political extremists reside outside of the boundaries of mainstream politics because they diverge sharply in their ideological orientation strategy and tactics relative to the parties of the political center. This course focuses on the ideology, discourse, goals and actions of certain parties and groups on the fringe of politics. Emphasis is placed on conceptualizing the terms radical and extremist, to develop an understanding of how these groups stand apart from the mainstream. Comparative cases will be examined ranging from consideration of a wide variety of American radicals on both the political right and political left, European radical right political parties, religious radicals and fundamentalism, and Middle Eastern radical Islam. We will characterize various extremist groups, discuss strategies and tactics, explore factors that catalyze such groups, and consider their impact and significance on policy but also on governance and society. The course is offered concurrently with CPO 5779; graduate students will have additional work.

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. Meets Multicultural Requirement.

CPO 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CPO 5315 Democracies
3 sh (may not be repeated for credit)

This course examines what it means to be a 21st century democracy. It explores institutional variants of democracy, including different structures of government and electoral systems. It considers the promise and the problems that democracy holds. In the course we will explore democratic variants examining factors such as accountability, competitiveness, transparency, representation. We will examine democratization and how to build and sustain democracy. We will consider preconditions for democracy and discuss the complex relationship between democracy and economics. Offered concurrently with CPO 4314; graduate students will be assigned additional work.
CPO 5769 Religion and International Politics
3 sh (may not be repeated for credit)
This course analyzes how religious beliefs and institutions shape politics that cross borders. It draws upon an array of writings to examine major global phenomena like the religious roots of international order; religious challenges both to modern states and to recent globalization; and activism amongst global religious movements. In turn, the course concentrates on two major issues for scholars, policy-makers and citizens alike: 1) international religious extremism and violence and 2) religious influences on ? and targets of ? U.S. foreign policy. Examples of topics covered along the way include Evangelical activism and ideologies, religious terrorism and the Israeli-Palestinian conflict. This course is offered concurrently with CPO 4761; graduate students will have additional work.

CPO 5779 Radicalism and Extremism
3 sh (may not be repeated for credit)
Political radicals and political extremists reside outside of the boundaries of mainstream politics because they diverge sharply in their ideological orientation strategy and tactics relative to the parties of the political center. This course focuses on the ideology, discourse, goals and actions of certain parties and groups on the ?fringe? of politics. Emphasis is placed on conceptualizing the terms ?radical? and ?extremist? to develop an understanding of how these groups stand apart from the mainstream. Comparative cases will be examined ranging from consideration of a wide variety of American radicals on both the political right and political left, European radical right political parties, religious radicals and fundamentalism, and Middle Eastern radical Islam. We will characterize various extremist groups, discuss strategies and tactics, explore factors that catalyze such groups, and consider their impact and significance on policy but also on governance and society. This course is offered concurrently with CPO 4774; graduate students will have 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 relate 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.

CPO 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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**CRW-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. Credit cannot be received in both CRW 2001 and CRW 2000. Meets Gordon Rule Writing Requirement.

CRW 2905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CRW 3110 Fiction Writing
3 sh (may be repeated for up to 6.000 sh of 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 be repeated for up to 6.000 sh of credit)
Workshop in writing poetry. Practice in traditional forms and extensive work in contemporary free verse.

CRW 3424 Playwriting
3 sh (may be repeated for up to 6.000 sh of 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 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CRW 4211 Creative Non-Fiction
3 sh (may be repeated for up to 6.000 sh of 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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

CRW 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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. Permission is required.

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. Permission is required.

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. Permission is required.

CRW 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

CRW 6934  Special Topics in Creative Writing
3 sh (may be repeated for up to 12,000 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.

CTS-Computer Tech 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)
Prerequisite: COP 4634 OR COP 4610
This course focuses on the installation, configuration, and maintenance of modern, open-source operating systems in individual and corporate environments including computer networks that host a variety of servers and workstations. Through hands-on experience, students will learn how a Linux operating system works and how it can be put to use to serve computing needs. Students will also learn how to configure network environments to test the networking capabilities of the operating system. Course may be offered concurrently with CTS 5349 and credit will not be given for both CTS 4348 and CTS 5349.

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)
This course focuses on the installation, configuration, and maintenance of modern, open-source operating systems in individual and corporate environments including computer networks that host a variety of servers and workstations. Through hands-on experience, students will learn how a Linux operating system works and how it can be put to use to serve computing needs. Students will also learn how to configure network environments to test the networking capabilities of the operating system. Offered concurrently with CTS 4348; graduate students will be assigned additional work.

CYP-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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

DAA-Dance: Emphs 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 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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

DAA 3004  Dance Styles I
1 sh (may be repeated for up to 2.000 sh of credit)
Dance styles for the music theatre student in the area of ballet and classical forms of dance.
DEP 5055 Developmental Psychology
3 sh (may not be repeated for credit)
Successful aging is also emphasized. Credit may not be received for DEP 4404 and either DEP 4402 or DEP 4401.

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. Credit may not be received for DEP 4404 and either DEP 4402 or DEP 4401.

DSC 3012 Terrorism
3 sh (may not be repeated for credit)
Introduction to terrorism, which examines the history and evolution of terrorism in both international and domestic arenas. Topics will include the causes, motives, means, and organization of terrorism and terrorist groups. Finally, the course will explore governmental and law enforcement responses and programs aimed at terrorism and threats.

DSC 3012 Terrorism
3 sh (may not be repeated for credit)
Introduction to terrorism, which examines the history and evolution of terrorism in both international and domestic arenas. Topics will include the causes, motives, means, and organization of terrorism and terrorist groups. Finally, the course will explore governmental and law enforcement responses and programs aimed at terrorism and threats.
DSC 4013 Homeland Security  
3 sh (may not be repeated for credit)  
Concepts of homeland security in theory and practice; the history and development of the U.S. Department of Homeland Security and its components; terrorism and other threats to U.S. National Security and the issues associated with achieving national security in a free society. The course will also examine the components of Critical Infrastructure, Emergency Management and Preparedness, and Policing, related to the practical application of homeland security initiatives.

DSC 5020 Terrorism  
3 sh (may not be repeated for credit)  
Critical analysis of major issues related to the study of terrorism. From initially critiquing the numerous conceptualizations of terrorism, the course will then evaluate theories of terrorist activity, the organizational and financial structure of terrorist cells, and the different tactics terrorists adopt in order to fulfill their objectives. The course will explore the contentious and oftentimes violent history of the Middle East and how this part of the world has spawned the development of multiple terrorist groups. Scientifically-based methods of inquiry will be utilized in the study of the extent and impact of terrorism on society.

DSC 6026 Issues in Homeland Security  
3 sh (may not be repeated for credit)  
This course focuses on topical issues associated with homeland security and terrorism. Topics include the use of intelligence and technology for homeland security and to combat terrorism, the importance of a critical infrastructure for homeland security, emergency management, preparedness, and response and recovery. Describes and critiques current resources and initiatives related to homeland security and terrorism. Offered only in the Fall Semester.

DSC 6045 Homeland Security  
3 sh (may not be repeated for credit)  
This course will provide students a critical assessment of the larger history, purpose, function and effectiveness of homeland security initiatives. In so doing, we will evaluate the different threats posed to the homeland, the way we prepare for them, the law surrounding our response to homeland security as well as the different agencies tasked with minimizing threats to the homeland. Analyzes homeland security efforts geared towards the fight against terrorism and those directed at minimizing threats from natural disasters, technological hazards, cyber and transportation attack. Scientifically-based methods of inquiry will be utilized in the study of the extent and impact of homeland security efforts.

EAB-Exper Analy 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 4905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EAB 5705 Advanced Behavior Modification  
3 sh (may not be repeated for credit)  
Students must take EXP 4404, or have an undergraduate degree in Psychology before enrolling in this course. 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.

EAS-Aerospace Engineering Courses

EAS 4020 Introduction to Flight  
3 sh (may not be repeated for credit)  
Prerequisite: EML 3016  
Basic aerodynamics, airfoil design and characteristics, and flight control surfaces.

ECP-Economic Problems 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. Offered Fall Semester only.

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. Credit may not be received in both ECP 4413 and ECP 4403.

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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ECP 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ECP 6705 Advanced Managerial Economics
3 sh (may not be repeated for credit)
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.

ECP 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

**ECP-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. Satisfies Florida Common Core Social Sciences requirement.

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 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ECO 4401 Introduction to Mathematical Economics
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
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: (ECO 2013 AND ECO 2023 AND STA 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 methods 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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
EDA 6220  Administration of School Personnel
3 sh (may not be repeated for 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 legal principles regarding 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
6 sh (may not be repeated for credit)
Prerequisite: EDA 6063
Students will focus on problems, practices and theories pertinent to the success of building level administrators in elementary, middle and high schools. This course includes planning, staffing, implementation and evaluation techniques necessary to administer an effective school program. Practicum experiences are designed to provide a clinical setting for the demonstration of theory applied to practice and will be an integral part of the course.
EDE 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDE 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDE 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
* This course may be taken prior to or during the same term.

EDE 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDE 7909 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDF 6223 Positive Behavioral Change and System Support in Educational Settings
3 sh (may not be repeated for credit)
Prerequisite: EDF 6225 AND EDF 6226
This course provides information on the fundamental elements of behavior change and specific behavior change procedures. The content is based on specific topics via the Behavior Analyst Certification Board (BACB) Fourth Edition Task List. This course serves as the third in a series of courses that prepares students to apply for the Board Certified Behavior Analyst (BCBA) exam or the third in a series of four courses that prepares students to apply for the Board Certified Associate Behavior Analyst (BCaBA).

EDF 6225 Foundations of Applied Behavior Analysis in Education
3 sh (may not be repeated for credit)
This course serves as a basic introduction to behavior analytic principles, definitions, characteristics, processes, and concepts. The content is based on the Behavior Analyst Certification Board (BACB) Foundational Knowledge Companion to the BACB Fourth Edition Task List in its entirety. This course serves as the first in a series of six courses that prepares students to apply for the Board Certified Behavior Analyst (BCBA) exam or the first in a series of four courses that prepares students to apply for the Board Certified Associate Behavior Analyst (BCaBA).

EDF 6226 Behavioral Assessments, Interventions, and Outcomes in Education
3 sh (may not be repeated for credit)
Prerequisite: EDF 6225
Participants learn to identify behaviors appropriate for change using behavioral assessment, selecting behavioral outcomes, selecting behavioral strategies, and ethical and professional issues relevant to the practice of behavioral assessment and choosing behaviors to change. Content is drawn from the Behavior Analyst Certification Board (BACB) Fourth Edition Task List. This course serves as the second in a series of courses that prepares students to apply for the Board Certified Behavior Analyst (BCBA) exam.

EDF 6227 Experimental Analysis of Behavior
3 sh (may not be repeated for credit)
Prerequisite: EDF 6223 AND EDF 6225 AND EDF 6226 AND EDF 7437 AND EDF 7944
Foundational knowledge and concepts of experimental analysis of behavior to include demonstrating the operations of principles of behavior in the context of basic research in multiple areas of investigation such as schedules of reinforcement, stimulus control, conditioned reinforcement choice, and establishing/motivating operations.

EDF 6228 Educational Statistics I
3 sh (may not be repeated for credit)
This course may be organized around a given theme.
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 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 not be repeated for credit)  
Prerequisite: EDF 6223 AND EDF 6225 AND EDF 6226  
In this course, participants learn the issues relevant to ethical and professional conduct in applied behavior analysis including consent, conflict of interest, assessment, behavior change, monitoring, reporting, and applicable law. The content is based on specific topics via the Behavior Analyst Certification Board (BACB) Professional and Ethical Compliance Code for Behavior Analysts. This course serves as one of the final courses in a series of six courses that prepares students to apply for the Board Certified Behavior Analyst (BCBA) exam. Students requiring additional hours in ethics for the Board Certified Associate Behavior Analyst (BCaBA) exam are also welcome to take this course.

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 Perspective  
3 sh (may not be repeated for credit)  
A holistic approach to understanding and educating children will be developed through the perspectives of various theories of learning and development. A focus on understanding the biological, psychological and social factors that affect child development and learning will be emphasized and inform one's understanding of various issues in education and best practices in the classroom.

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 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EDF 6943  Supervised Experience in Single Case Design  
1-3 sh (may be repeated for up to 9.000 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)  
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 6223 AND EDF 6225 AND EDF 6226  
This course provides students with concepts in measurement and design of single case methodology to establish reliable intervention procedures, positive behavior change, systems support, while adhering to management, supervision, and ethical and professional issues relevant to the practice of behavioral intervention and research design. The content is based on specific topics via the Behavior Analyst Certification Board (BACB) Fourth Edition Task List. This course serves as the fourth in a series of six courses that prepares students to apply for the Board Certified Behavior Analyst (BCBA) exam or the final in a series of four courses that prepares students to apply for the Board Certified Associate Behavior Analyst (BCaBA).
EDF 7468  Advanced Program Development and Evaluation
3 sh (may not be repeated for credit)
Prerequisite: EDF 6464
Focusing on leading evaluation approaches and providing an in-depth examination of evaluation theory, this course will encourage students to critically examine and discuss current and emerging variations in theoretical evaluation development. These relationships will be analyzed through an applied research perspective designed to illuminate and evaluate the effectiveness of organizational program strategies dealing with societal concerns. Grant funding methods will be introduced as an intervention tool in this process.

EDF 7475  Qualitative Research I - Methods
3 sh (may not be repeated for credit)
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 7476  Survey Research
3 sh (may not be repeated for credit)
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 7489  Advanced Research Methods
1-3 sh (may not be repeated for credit)
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 7638  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 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 7730  Administration and Leadership Communication Techniques
3 sh (may not be repeated for credit)
This course will focus on specific effective professional communication efforts of administrators and leaders from military, social agencies, educational settings, and organizational environments, including non-profit agencies and organizations. Skills emphasized in the course include: Oral and written presentations for varied audiences and technology-rich communications for leading organizations and developing communicative organizational environments.

EDF 7790  Foundations of Doctoral Research and Writing
3 sh (may not be repeated for credit)
The central purpose of this course is to provide students with the information and orientation needed to successfully navigate the doctoral program. In addition to reviewing the policies and procedures of doctoral study (choosing an advisor, engaging in coursework, forming a committee, taking preliminary/comprehensive exams, designing a research study, conducting research, and defending a prospectus and dissertation), students will also study the behaviors and dispositions needed to be an educational researcher and scholar, including what it means to read, think, and write critically. Students will explore how to develop a sense of themselves as a scholar and to take ownership over their own education, including setting goals, identifying opportunities, and developing a research agenda. In addition, the course will include an introduction to research designs.

EDF 7905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDF 7944  Advanced Single Case Design in Applied Settings
3 sh (may not be repeated for credit)
Prerequisite: EDF 6223 AND EDF 6225 AND EDF 6226 AND EDF 7437
This course provides students with an applied environment to practice measurement and design of single case methodology using reliable intervention procedures, positive behavior change, systems support, while adhering to management, supervision, and ethical and professional issues relevant to the practice of behavioral intervention and research design. The content is based on specific topics via the Behavior Analyst Certification Board (BACB) Fourth Edition Task List. This course serves as the fifth in a series of six courses that prepares students to apply for the Board Certified Behavior Analyst (BCBA) exam.

EDF 8088  Diversity & Civil Rights in Education
3 sh (may not be repeated for credit)
The purpose of this course is to analyze, synthesize, and evaluate the ideological, cultural, political, economic, and educational delivery systems in the segregated South. Analysis of oppressive systems, literature, primary sources, sites, and biographies that inspired the acceptance of diversity are evaluated.
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, 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)
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)
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 applicable skills in the process of providing evidence of instrument reliability and validity. Permission is required.

EDF 8466  Assessing Educational Programs
3 sh (may not be repeated for credit)
Prerequisite: EDG 7667
The course examines current evaluation models used to assess programs implemented in various educational settings. Students will explore and analyze the application of evaluability assessment in multiple settings and the use of methodological scoping as part of evaluability assessment. Additionally, students will utilize various models and instruments to evaluate existing educational programs.

EDF 8486  Advanced Quantitative Research and Statistics
3 sh (may be repeated for up to 9.000 sh of credit)
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 8698  Censorship
3 sh (may not be repeated for credit)
An in-depth study of censored literature and its effects on the existing political economy, ideological beliefs, and cultural diversity including the effects of single purpose interest groups will be discussed. Readings are centered around novels which have been challenged throughout the United States.

EDF 8785  Research Ethics
3 sh (may not be repeated for credit)
Prerequisite: EDF 7407
Focusing on research integrity issues facing researchers in the social and behavioral sciences and providing an in-depth examination of the responsible conduct of research principles and practices, this course will encourage students to critically examine and discuss current and emerging trends in research ethics, including conducting research, research design considerations, methodologies, data acquisition data analyses, and communicating findings. These issues will be analyzed through an applied research perspective designed to illuminate and evaluate the integrity of research efforts dealing with societal concerns. In addition, writing, publishing, and presenting relative to research ethics are topics explored in the course.

EDF 8888  Seminar: Special Topics Related to Minority Groups
3 sh (may be repeated for up to 9.000 sh of credit)
Students will analyze the history, culture, and heritage of diverse groups while examining the impact of prejudice, race relations, socioeconomic differences, and education on these groups throughout history. Contributions of minority groups in all areas of U. S. society will be examined. Permission is required.

EDF 8905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDF 8936  Advanced Qualitative Research and Strategies: Special Topics
3 sh (may be repeated for up to 9.000 sh of credit)
Student will develop advanced skills required to conduct education 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 8937  Research Applications
3 sh (may not be repeated for credit)
This course will engage Ed.D. students in applying advanced research methods in application areas specific to their specializations. The course will involve dissertation research methods and writing skills as well as field site activities and data analysis. The course will also include activities focused on presenting and publishing research findings. Permission from the instructor is required.

EDF 8980  Dissertation
1-6 sh (may be repeated for up to 18.000 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.

EDF 8985  Research Ethics
3 sh (may not be repeated for credit)
Prerequisite: EDF 7407
Focusing on research integrity issues facing researchers in the social and behavioral sciences and providing an in-depth examination of the responsible conduct of research principles and practices, this course will encourage students to critically examine and discuss current and emerging trends in research ethics, including conducting research, research design considerations, methodologies, data acquisition data analyses, and communicating findings. These issues will be analyzed through an applied research perspective designed to illuminate and evaluate the integrity of research efforts dealing with societal concerns. In addition, writing, publishing, and presenting relative to research ethics are topics explored in the course.

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EDF 8905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDF 8936  Advanced Qualitative Research and Strategies: Special Topics
3 sh (may be repeated for up to 9.000 sh of credit)
Student will develop advanced skills required to conduct education 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 8937  Research Applications
3 sh (may not be repeated for credit)
This course will engage Ed.D. students in applying advanced research methods in application areas specific to their specializations. The course will involve dissertation research methods and writing skills as well as field site activities and data analysis. The course will also include activities focused on presenting and publishing research findings. Permission from the instructor is required.

EDF 8980  Dissertation
1-6 sh (may be repeated for up to 18.000 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.
EDG 3323  General Methods of K-12 Reading Instruction
3 sh (may not be repeated for credit)
This course provides K-12 pre-service teachers with dynamic methods of planning, presenting, and assessing literacy instruction for all learners. Course content and learning activities focus on applying knowledge and skills related to effective teaching and learning in the various content areas.

EDG 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDG 3945  Field Experience 1
3 sh (may not be repeated for credit)
Prerequisite: EDF 3234
This field experience includes carefully planned and designed course assignments and activities, with students working in a classroom setting for a minimum of 100 hours in a field placement. Successful students will develop proficiency on the Florida Educator Accomplished Practices Competencies. This experience includes: focused and specific observations, activities, and reflection with the purpose of directly connecting the teacher education curriculum to the practical aspects of teaching in a classroom setting. Permission is required.

EDG 4077  Learning In Informal Environments
3 sh (may not be repeated for credit)
Students will explore the variety of settings that offer informal learning opportunities such as museums, science discovery centers, child care programs, outdoor programs, adult and continuing education. The demands of these environments are varied and are often considered ? free-choice? education options. Therefore, the skills and tools for communicating messages to varied audiences in these settings can be very different from the traditional classroom instruction. We will explore and practice motivation, communication, interpretation, design, evaluation, and promotion.

EDG 4334  Universal Design for Learning in Informal Learning Environments
3 sh (may not be repeated for credit)
This course will prepare students to use the Universal Design for Learning (UDL) framework to create learning experiences for a wide variety of learners across the life span in non-classroom settings such as child care settings, museums, after-school programs, adult learning centers, and libraries. Specifically, students will explore UDL principles including multiple means of representation, action and expression, and engagement. Students will use UDL resources and strategies for planning and evaluating inclusive learning experiences.

EDG 4345  Educational Assessment
3 sh (may not be repeated for credit)
This general assessment course is 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; (4) using assessment data to develop instructional plans; and (5) using specialized assessment tools to meet varied student needs.

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 4413  Classroom Management
3 sh (may not be repeated for credit)
This course focuses on strategies for effective classroom management, with learning activities related to building relationships, organizing the classroom, developing and implementing rules and procedures, teaching effectively, utilizing positive behavior management, and implementing behavioral interventions.

EDG 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDG 4931  Capstone Seminar in Informal Learning and Education
6 sh (may not be repeated for credit)
This course provides opportunity for students to demonstrate their achievement of the goals of the Interdisciplinary Social Sciences (ISS) program. The course is designed as a student-centered, content-related learning experience and serves as a summary and synthesis of the experiences in the ISS program. The process and products of the course are designed to assess cognitive, affective, and dispositional outcomes appropriate to the students? chosen focus of study.

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 not be repeated for credit)
Co-requisite: EDG 4936
The course involves a minimum of ten weeks of supervised teaching in a public or private school assigned to the student by the TEEL Field Placement Office and approved by the TEEL Chair. This is a full-time assignment, and students may not take additional coursework or maintain employment during the student teaching experience without prior approval from the TEEL Chair. Performance in student teaching is graded on a satisfactory/unsatisfactory basis only.

EDG 4941  Teaching Internship I
1-12 sh (may not be repeated for credit)
Teaching Internship I is designed to be the culminating experience for those preparing to become a professional educator. This elite program will provide the student with a 10 month placement in which they will apply all the knowledge they have gleaned from their coursework. The placement will provide opportunities for students to practice skills under careful observation and in cooperation with a master teacher. Phase 1 of this year-long supervised teaching experience in public and private schools will focus on planning and executing effective instruction. (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
1-12 sh (may not be repeated for credit)
Prerequisite: EDF 4941
Internship Internship II is designed to be the culminating experience for those preparing to become a professional educator. This elite program will provide the student with a 10 month placement in which they will apply all the knowledge they have gleaned from their coursework. The placement will provide opportunities for students to practice skills under careful observation and in cooperation with a master teacher.
Phase 2 of this year-long supervised teaching experience in public and private schools will focus on classroom management and professional development. (Students will register for this series in successive semesters) Graded on Satisfactory/Unsatisfactory basis only. (See Teacher Education/Admission to Student Teaching).
EDG 4944 High Impact Practice Practicum
3 sh (may not be repeated for credit)
Prerequisite: EDG 4947
Students will complete a 10-week high-impact learning experience that integrates service learning and reflection to support career success.
The overarching intent of the course is to make linkages between academic content, and applied service learning experience, and students’ career plans.
EDG 4947 High-Impact Practice Seminar
3 sh (may not be repeated for credit)
This seminar course will present the concept of High-impact practices (HIPs) with an emphasis on collaborative assignments, service-learning, and self-reflection. Students will investigate, analyze, and apply HIPs in varied informal education settings. Learning activities will include students working collaboratively to develop a service learning project to address a community need.
EDG 4949 Field Experience 2
3 sh (may not be repeated for credit)
Prerequisite: EDG 3945 AND RED 4542* AND TSL 4081*
Students in this course will complete a minimum of 100 hours of supervised work in an assigned educational setting, with 25 hours devoted to an ESOL placement. Students will continue to build connections between theory and practice, demonstrating competency on the Florida Educator Accomplished Practices (FEAPs) and ESOL Performance Standard. Specific learning activities include observation, planning, implementation of planned learning experiences, and assessment of students from diverse backgrounds including students identified as culturally and linguistically diverse (English Language Learners - ELL). Permission is required.
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 5304 Introduction to Teaching and Learning
3 sh (may not be repeated for credit)
Introduces students to the field of education by exploring instructional planning, effective teaching strategies, and professional educator responsibilities. Florida Educator Accomplished Practices are presented to provide an awareness of effective teaching practices and pedagogy. Students observe and participate in a classroom field experience to practice skills of an effective educator as defined in the Educator Accomplished Practices Competencies.
EDG 5342 Effective Teaching and Instruction
3 sh (may not be repeated for credit)
This course is designed to allow participants to explore effective teaching practices and strategies to enhance student learning in the K-12 classroom. Course content begins with a brief overview of research on learning and cognition with an emphasis on implications for classroom practice. Following that, students will investigate research-based effective teaching practices within and across multiple subject areas (e.g., mathematics, history, science) and then deconstruct and reflect on the use of various evaluation models (e.g., Marzano, Danielson) currently being used to gauge and improve the quality of classroom instruction. Lastly, collaborative professional learning strategies for supporting teachers in improving their instruction will be introduced and practiced.
EDG 5345 Educational Assessment for Learning
3 sh (may not be repeated for credit)
Presents foundational level knowledge of assessment concepts critical for good teaching and learning at the middle and secondary level. Students analyze and reflect on professional literature related to the following: 1) types of assessment; 2) high-stakes tests; 3) and data-driven decision-making. Designed to focus on the construction and use of multiple assessment measures for evaluating student understanding.
EDG 5349 Advanced Methods for Math, Science and Social Studies
3 sh (may not be repeated for credit)
In Advanced Methods, Students explore instructional models for teaching in math, science and social studies. Students investigate various models of teaching including inquiry, synectics, problem solving, socratic, cooperative and inductive in order to apply them to their classroom. Students examine the rationale and research supporting each model as well as real-world examples.
EDG 5356 Advanced Methods for Math, Science and Social Studies
3 sh (may not be repeated for credit)
In Advanced Methods, Students explore instructional models for teaching in math, science and social studies. Students investigate various models of teaching including inquiry, synectics, problem solving, socratic, cooperative and inductive in order to apply them to their classroom. Students examine the rationale and research supporting each model as well as real-world examples.
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 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDG 5940 Graduate Student Teaching
1-6 sh (may be repeated for up to 6,000 sh of credit)
Graded on a satisfactory/unsatisfactory basis only.

EDG 6215 Integrating Curriculum for the K-12 Classroom
3 sh (may not be repeated for credit)
Graduate students focus on techniques for instructional integration of the content areas in order to maximize student learning and prepare teachers to meet the needs of all students. Students will demonstrate competencies through the successful completion of a collaborative interdisciplinary unit, individual lessons plans utilizing differentiated instruction, and a best practices research paper and presentation.

EDG 6285 Data Driven Decisions Using Standardized Student Achievement Data
3 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
3 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 6415 Issues in Classroom Management
3 sh (may not be repeated for credit)
This course is designed for educators with existing capacity regarding classroom management and is intended to advance their understanding and develop a knowledge of systematic models of classroom management. The content will focus on shaping teacher behaviors and structuring the classroom for success. Additionally, focus will be placed on recognizing the various and competing philosophies of classroom management and the benefits of using a systematic model within a classroom or school.

EDG 6662 Integrated Curriculum and Instruction
3 sh (may not be repeated for credit)
This is an advanced curriculum course for graduate level education students with a focus on blending content areas to maximize student learning and to prepare teachers to meet the needs of all students across the curriculum. Students will demonstrate competencies through the successful completion of a collaborative interdisciplinary unit, individual lesson plans utilizing differentiated instruction, a best practices research paper and presentation, and a reflective blog analysis.

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 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EDG 6916 Action Research
3 sh (may not be repeated for credit)
Prerequisite: RED 6747 OR EDG 6918
The capstone course in the research sequence involves implementation of the previously-developed action research proposal, in which a problem in the area of education or related field was identified. In this course, the proposed action research project will be implemented. The completed project will consist of a scholarly written paper that adheres to current APA style guidelines.

EDG 6918 Research Practicum
3 sh (may not be repeated for credit)
Prerequisite: EDG 5366
Students focus on the development of applied research strategies in an educational setting and are provided with step-by-step guidance in developing research plans. Students are encouraged to explore both qualitative and quantitative methods of research and are provided with faculty support in design of research projects. The proposal developed in this course will be implemented in a subsequent course, Action Research.

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 3323C (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 7008 Assessment Literacy
3 sh (may not be repeated for credit)
This course explores various research-based approaches to assessing student learning; educational programs; and organizational structures, systems, and cultures. Learning activities focus on various approaches to assessing student learning in addition to the role of assessment in various models of measurement and evaluation.

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 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 7256 Assessing Curricula
3 sh (may not be repeated for credit)
This course provides an introduction to various methods for assessing the effectiveness of reform-based curricula in educational settings, including changes in learners' knowledge, skills, and affect.

EDG 7303 Analysis of Learning and Teaching Practices
1-3 sh (may not be repeated for 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 7354 Test, Measurement, & Data Literacy
3 sh (may not be repeated for credit)
This course explores varied constructs and concepts in measurement theory, test construction, reliability and validity, item analysis in test development, and test scoring and interpretation.

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 7667 Evaluating Models of Curriculum & Assessment
3 sh (may not be repeated for credit)
With a focus on learning outcomes, this course aims to broaden students' knowledge about designing and assessing curricula in various educational settings ranging from K-12 to higher education. Using various change models, this course offers a practical approach to systemic change with a focus on the relationship between courses and the curriculum.

EDG 7905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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)
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 8938 Seminar: Advanced Methods in Assessment and Evaluation
3 sh (may not be repeated for credit)
This course is focused on building capacity for the appropriate selection and utilization of advanced techniques for designing and performing assessment and evaluation analyses.

EDG 8980 Dissertation
1-18 sh (may be repeated indefinitely for 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.

* This course may be taken prior to or during the same term.
EDH-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. Offered only Spring semester.

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 assistant ship and transitional issues from being a graduate student to a new professional such as establishing a professional identity and social media pitfalls. Course only offered in Spring.

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 6895   Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EDH 6948   Internship in Higher Education  
3 sh (may be repeated for up to 6.000 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 students 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.

EDH 7205   Curriculum Development in Higher Education  
3 sh (may not be repeated for credit)
Emphasis on curriculum perspectives, procedures, and practices in higher education; principles of curriculum and instruction in higher education; theory and practices in goal setting, curriculum planning, instructional improvement, and curriculum design.

EDH 7632   Leadership in Higher Education  
3 sh (may not be repeated for credit)
Designed for current and prospective leaders who seek to learn more about leadership in higher education in this new global area, students will study several theoretical perspectives that have gained some credibility and research basis over the last several decades. In addition, students will read about or hear first person accounts of leaders’ experiences in administrative roles. Participants will be asked to relate course material to their own current experience and personal goals. The ultimate goal of the course will be to create a personal knowledge base from which to create a plan for developing or refining one’s own leadership perspectives. In effect, the theme for the course will be: How can someone utilize current theory and literature and the experiences of practicing leaders to become a more effective leader?
EDH 7633   Governing Colleges and Universities  
3 sh (may not be repeated for credit) 
Prerequisite: EDH 6051  
Students will examine and compare existing state and local college and university governance structures. Demographic, social, legal, financial and planning issues and forces that effect how colleges and universities are governed will also be explored. Academic and Administrative Unit Governance within institution of higher Education will be highlighted. Policy analysis and research will be explored as it relates to governance in higher education. Prerequisites: EDH 6051.  
EDH 7635   Organization and Administration of Higher Education  
3 sh (may not be repeated for credit)  
Provides opportunities for students to explore and generate greater understanding of the organization and administration in higher education by examining the concepts and behaviors of those organizations and administrators.  
EDH 7636   Organizational Theory and Practices in Higher Education  
3 sh (may not be repeated for credit)  
Explores theories and models of organizations and their applicability to colleges and universities and the work done in them. Pays particular attention to aspects of decision-making, leadership and organizational change and to the influence of internal and external actors. Also examines many of the administrative practices and processes common in colleges and universities today.  

**EDM-Education: Middle Courses**  
EDM 3230   Mid Sch Org & Curr  
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 professional at the tech level will be emphasized.  
EDM 3905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EDM 4905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EDM 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

**EDP-Educational Psychology Courses**  
EDS 5905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

**EEC-Education: Early Childhood Courses**  
EEC 3905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EEC 4905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EEC 5905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EEC 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

**EEE-Electrical Electron Eng Courses**  
EEE 3308   Electronic Circuits I  
3 sh (may not be repeated for credit)  
Prerequisite: EEE 3308* AND EEL 3111 AND EGN 3204  
Fundamentals of analog electronic circuits and systems. A grade of "C" or better is required in the prerequisites. Credit may not be received in both EEE 3308 and EEL 3304.  
EEE 3308L   Electronics Laboratory  
1 sh (may not be repeated for credit)  
Prerequisite: EEE 3308* AND EEL 3111L  
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 3396   Solid-State Electronic Devices  
3 sh (may not be repeated for credit)  
Prerequisite: (EEL 3111) AND (CHM 2045 OR CHM 1045 OR CHM 1045C)  
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: EEE 3308/L AND EEE 4306* AND EEL 3112  
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: EEE 3308/L AND EEE 4306* AND EEL 3112  
Electronic Circuits II laboratory. A grade of "C" or better is required in the prerequisites. Material and Supply fee will be assessed. Credit may not be received in both EEE 4306L and EEL 4306L.
EEE 4310  VLSI Circuit Design  
3 sh (may not be repeated for credit)  
Prerequisite: ((EEE 3308 AND EEL 3701)) AND (CHM 2045 OR CHM 1045 OR CHM 1045C)  
Analysis and design of digital circuits using MOS and bipolar devices.  
* This course may be taken prior to or during the same term.  

EEL-Engineering: Electrical Courses  
EEL 2948  Service Learning Field Study I  
1-3 sh (may be repeated for up to 4.000 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: (PHY 2049 OR PHY 2049C) AND (EGM 3204* OR EGM 3344*) AND ((EEL 3111L* AND MAC 2313))  
Basic Analysis of DC and AC electric circuits.  
EEL 3111L  Electrical Circuits Laboratory  
1 sh (may not be repeated for credit)  
Prerequisite: 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 3112  Circuits II  
3 sh (may not be repeated for credit)  
Prerequisite: EEL 3111 AND EGM 4313* AND MAP 2302  
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 prerequisites.  
EEL 3135  Discrete-Time Signals and Systems  
3 sh (may not be repeated for credit)  
Prerequisite: (EEL 3112*) AND (EEL 4834 OR COP 3014 OR EGN 3203)  
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 AND EEL 3211L*  
Introduction to the fundamentals of energy conversion; Power transformers, DC machines, Poly-phase induction machines, synchronous machines, single phase motors and permanent magnet machines, Speed control of DC motors, Speed control of ac motors. A C is required in the prerequisites to this course.  
EEL 3211L  Electric Energy Engineering Laboratory  
1 sh (may not be repeated for credit)  
Co-requisite: EEL 3211  
Hands on experience with fundamental devices of electric power systems such as transformers, electrical machines, power passive components, and power electronic converters as well as all measuring and recording instruments. Lab corresponds with EEL 3211.  
EEL 3472  Electromagnetic Fields and Applications I  
3 sh (may not be repeated for credit)  
Prerequisite: (PHY 2049 OR PHY 2049C) AND (MAC 2312)  
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 2311* OR MAC 1114 OR MAC 2312) AND (EEL 3701L*)  
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)  
Prerequisite: EEL 3701*  
Practical applications of digital logic. Material and supply fee will be assessed.  
EEL 3905  Directed Study  
1-12 sh (may be repeated for up to 4.000 sh of credit)  
EEL 4213  Electric Energy Systems 1  
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: EEL 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 4276  Cyber Security of Industrial Control System  
3 sh (may not be repeated for credit)  
This course is used to teach and share in-depth defense strategies and up-to-date information on cyber threats and mitigations for vulnerabilities with the goal of improving cyber security preparedness in the industrial control systems community. This course provides an overview of operations security for industrial control systems and prepares the students for the risks and threats associated with electric grids and other centralized and distributed control systems. Offered concurrently with EEL 5277; graduate students will have additional work.
EEL 4283  Introduction to Renewable Energy
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045 AND ENC 1102 AND PHY 2049
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 4287  Future Energy Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 3111
Study and analyze renewable energy sources and their integration into the grid, microgrid, smart grid power management, plug in electric vehicles, modern energy storage technologies, energy efficient buildings, cyber security and other new technologies that are revolutionizing the power industry.

EEL 4290  Sustainable Power Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 4287
Key technical and economic characteristics of power systems and their interaction in the design and operation of markets that foster environmental, economic, and security stability in today's complex power systems.

EEL 4514  Communication Systems and Components
3 sh (may not be repeated for credit)
Prerequisite: EEL 3112 AND EEL 3135 AND EEL 4514L* AND EGM 4313
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 3308L AND EEL 4514*
Experiments with communication circuits and radio frequency instruments, devices, and measurements. Material and Supply Fee will be assessed.

EEL 4635  Digital Control Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 3111 AND MAP 2302
A study of the digital computer as a control element, classical sampled data control theory, and application with microcomputers.

EEL 4657  Linear Control Systems
3 sh (may not be repeated for credit)
Prerequisite: EEL 3111 AND EEL 4657L* AND MAP 2302
Theory and design of linear control systems.

EEL 4657L  Linear Controls Laboratory
1 sh (may not be repeated for credit)
Prerequisite: EEL 4657*
Practical applications of linear control theory.

EEL 4822  Pattern Recognition
3 sh (may not be repeated for credit)
Prerequisite: EEL 4834 AND EGN 3203
An introduction to pattern recognition and classification techniques, including Bayesian classifiers, linear and non-linear classifiers, clustering, perceptrons, and feature generation/selection.
EEL 4834  Programming for Engineers  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 1114 OR MAC 2311* OR MAC 2312  
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.

EEL 4905  Individual Problems in Electrical Engineering  
1-12 sh (may be repeated indefinitely for credit)  
May be repeated with a change of content up to a maximum of 4  
credits. Selected problems or projects in the student's major field of  
engineering study. Permission is required.

EEL 4930  Special Topics in Electrical Engineering  
1-4 sh (may be repeated for up to 6.000 sh of credit)  
May be repeated with change of content up to a maximum of 6 credits.  
Special courses covering selected topics in electrical engineering.  
Permission is required. A grade of "C" or better is required in the  
prerequisite(s). (Contact the department for prerequisites).

EEL 4940  Engineering Internship  
1 sh (may be repeated for up to 3.000 sh of credit)  
Prerequisite: EEL 3111 OR EEL 3701 OR EEL 4834  
Practical and significant electrical and/or computer engineering based  
work experience under approved industrial supervision. Graded on a  
satisfactory / unsatisfactory basis only. Permission from department  
co-op advisor is required.

EEL 4949  Co-Op Work Experience  
1 sh (may be repeated for up to 4.000 sh of credit)  
Practical co-op work under approved industrial supervision. Grading is  
on satisfactory / unsatisfactory basis only. Permission is required.

EEL 5277  Cyber Security of Industrial Control System  
3 sh (may not be repeated for credit)  
This course is used to teach and share in-depth defense strategies  
and up-to-date information on cyber threats and mitigations for  
vulnerabilities with the goal of improving cyber security preparedness  
in the industrial control systems community. This course provides  
an overview of operations security for industrial control systems and  
prepares the students for the risks and threats associated with electric  
and distributed control systems. This course introduces students to new developments in cyber threats,  
breaches and incidents in electrical grid and other industrial control  
systems. The course also discusses issues and methods to improve  
industrial security on the automation platform. Offered concurrently  
with EEL 4276; graduate students will have additional work.  
* This course may be taken prior to or during the same term.

EET-Electronic Engin Tech Courses

EEX-Educ:Excep Child-Core Comp Courses

EEX 3070  Methods in Inclusion and Collaboration  
3 sh (may not be repeated for credit)  
This course is required for all education majors. The course provides  
students with background knowledge related to Special Education  
issues including laws and regulations, terminology, disability  
categories, and common school practices. Students are also  
challenged to learn the skills necessary to work collaboratively within  
an educational environment to include students with disabilities, while  
meeting their individual educational, behavioral, and social needs.  
Evidence-based instructional and classroom management strategies  
will also be presented.

EEX 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
EEX 4141  Survey of Normal and Abnormal Language and Speech  
Development  
3 sh (may not be repeated for credit)  
This course is designed to help teachers (ESE and general education)  
better understand the nature of speech and language development  
and common problems that students may experience during their  
developing years. Characteristics of common speech & language  
problems and interventions for classroom teachers are highlighted.

EEX 4254  Instructional Strategies for Teaching Students with  
Exceptionalities  
3 sh (may not be repeated for credit)  
Prerequisite: EEX 3070  
Through lecture, discussion, and projects, this course provides an  
introduction to a comprehensive knowledge base pertinent to the  
nature and needs of students with exceptional needs. Course content  
focuses on current legislation, professional practices, trends, and  
research, and students will learn about and explore current evidence-  
based practices that support student success. Additional emphasis  
is placed on identifying specific instructional strategies developed for  
students who struggle in subject-specific content areas.

EEX 4255  Curriculum for Teaching Students with Exceptionalities  
3 sh (may not be repeated for credit)  
Prerequisite: EEX 3070  
This course prepare pre-service teachers to effectively utilize  
specialized curriculum and research-supported practices for teaching  
students with high incidence disabilities (learning disabilities,  
emotional/behavioral disorders, and intellectual disabilities) in  
inclusive, general education environments; to analyze and evaluate  
curriculum standards and resources; and to interpret assessment  
results to generate data-based decisions for individualized,  
instructional programs.
EEX 4474 Curricula for Teaching Students with Severe Disabilities
3 sh (may not be repeated for credit)
Prerequisite: EEX 3070
This course provides an introduction to curricula pertaining to students with severe disabilities including intellectual disabilities, physical impairments, and autism. Emphasis is placed on person-centered planning, team approaches, access to the general education curriculum, integrating life skills and academic skills instruction, activity-based instruction, and community-based instruction. Course content includes curriculum and instructional strategies related to communication, motor, and self-care skills.

EEX 4772 Personal, Social and Employment Skills for Exceptional Students
3 sh (may not be repeated for credit)
A primary goal of this course is building capacity with regard to identifying holistic needs, as well as strategies to promote and maximize independence, to identify career goals that are consistent with the career aptitudes and interests of children and youth. Related components of this focus include: self-awareness, self-determination, transition planning for independent living, selective placement and social skill development. Emphasis throughout is placed on identifying access points to available community, state and federal resources. A required field experience requires students to develop a Transition Plan for an at-risk youth or adult that is an application of the essential course content.

EEX 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
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 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
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)
This course provides an introduction to special education including legislation, professional practices, trends, and research. Students will learn about characteristics and educational needs of individuals with disabilities and explore evidence-based practices that support student success.

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 6225 Assessment of Exceptional Children
3 sh (may not be repeated for credit)
This assessment course is designed for graduate students in Teacher Education and focuses on an analysis of the professional literature to determine best practices in assessment. Topics include (1) measurement issues to determine assessment quality; (2) an examination of effective assessment practices with children who are exceptional; (3) issues involving the interpretation of test scores; (4) best practices in assessment; and (5) best practices in linking assessment to instruction. Credit may not be awarded for both EEX 6225 and EEX 6227.

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 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
EEX 7060 Seminar: Best Practices in Alternative and Special Education
3 sh (may be repeated for up to 6.000 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 settings to refine their assessment skills and to use the assessment data to plan and implement behavioral and instructional interventions. Credit may not be earned in both EEX 7212 and EEX 7215.

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.

EEX 7905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EGI-Education: Gifted Courses

EGI 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EGI 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EGI 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EGM-Engineering: Science Courses

EGM 2500  Engineering Mechanics-Statics  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2311 AND PHY 2048  
Covers basic aspects of reduction of force systems, equilibrium  
of particles and rigid bodies, vector methods, and application to  
structures and mechanisms.

EGM 3344  Numerical Methods  
3 sh (may not be repeated for credit)  
Prerequisite: MAP 2302*  
Programming fundamentals, interpolation, curve fitting, optimization,  
computations with series, numerical integration, and the numerical  
solution of algebraic, transcendental, simultaneous and differential  
equations.

EGM 3401  Engineering Mechanics-Dynamics  
3 sh (may not be repeated for credit)  
Prerequisite: EGM 2500 AND MAC 2311  
Dynamics of particles and rigid bodies for rectilinear translation,  
curvilinear motion, rotation and plane motion. Principles of work and  
energy, impulse and momentum.

EGM 4313  Intermediate Engineering Analysis  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2313 AND MAP 2302*  
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 and  
transforms. Engineering applications of statistics.

* This course may be taken prior to or during the same term.

EGN-Engineering: General Courses

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. Credit may not be  
received in both EGN 1008C and EGN 1006C.

EGN 2911L  Sophomore Engineering Design I  
1 sh (may not be repeated for credit)  
First course in a sophomore engineering design sequence. Students  
work in teams with other engineering design students in an active,  
discovery based learning environment employing practice based  
learning.

EGN 3204  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 3365  Engineering Materials  
3 sh (may not be repeated for credit)  
Prerequisite: (MAC 2311) AND (CHM 1045 OR CHM 2045 OR CHM  
1045C)  
Fundamentals in structure, properties, and mechanical behavior of  
engineering materials.

EGN 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.
EGN 3913L  Junior Engineering Design I
1 sh (may not be repeated for credit)
Prerequisite: EGN 2912L
First course in a junior engineering design sequence. Students work in
teams with other engineering design students in an active, discovery
based learning environment employing practice based learning. This
course may be a continuation of the project from the Sophomore
Engineering Design, or may be a starting point for Juniors who are new
to the program (Students without Sophomore Engineering Design must
receive permission from their adviser).

EGN 3914L  Junior Engineering Design II
1 sh (may be repeated for up to 4.000 sh of credit)
Prerequisite: EGN 3913L
Continuation of a Junior engineering design sequence. Students work
in teams with other engineering design students in an active, discovery
based learning environment employing practice based learning. This
course is repeatable for elective credit with permission of the instructor.

EGN 4950  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 4952L  Capstone Design II
2 sh (may not be repeated for credit)
Prerequisite: EGN 4950
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.

EGS-Engineering: Support Courses

EGS 1006  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.

EGS 3441  Engineering Statistics
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312
Survey of the basic concepts in probability and statistics with
engineering applications. Topics include probability, discrete and
continuous random variables, estimation, hypothesis testing and linear
and multiple regression.

EGS 4032  Professional Ethics
3 sh (may not be repeated for credit)
Prerequisite: 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-Industrial Engineering Courses

EIN 4354  Engineering Economy
3 sh (may not be repeated for credit)
Prerequisite: MAC 2311
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.

EME-Edu: Technology Media Courses

EME 1660C  Engineering Technology Applications in Aviation
1-2 sh (may be repeated for up to 6.000 sh of credit)
Learners will apply engineering technology concepts to successfully
plan and execute aviation-related mission scenarios in a high-fidelity
fully immersive learning environment at the National Flight Academy in
Pensacola, Florida.

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
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 3002  Introduction to Intelligence
3 sh (may not be repeated for credit)
An examination of the five major intelligence disciplines: Human
Intelligence, Signals Intelligence, Geospatial Intelligence, Open
Source Intelligence, and Measurements and Signatures Intelligence
in addition to the concept of combining intelligence into an all-source
formatted product. The concepts of Information Security and its
offensive counterpart, Computer Network Operations are explored.
Using real-life scenarios, students analyze strategies to achieve
various end goals. From infiltrating a network of foreign spies, to
developing a suspect’s placement in a network based off of their call
patterns, to assessing the technical capabilities of an adversary nation,
students will be immersed in a variety of practical exercises where
they will be asked to perform various types of analysis themselves. In
addition, students will produce clear, concise, and accurate products
for dissemination. Students will explain the general flow of information
within an intelligence product and associated components.
EME 3003  Introduction to Intelligence Analysis
3 sh (may not be repeated for credit)
Designed for those individuals who might be interested in entering the local, state, or federal intelligence community, foundational knowledge of analytic concepts, partners involved, and their respective functions is explored. Examination of multiple federal agencies, including the Central Intelligence Agency, Federal Bureau of Investigations, Drug Enforcement Administration, Department of Homeland Security, National Security Agency, National Reconnaissance Office, National Geo-spatial-Intelligence Agency, Defense Intelligence Agency, and each military service-specific intelligence organization. Concept of information sharing between the local, state, and federal level intelligence organizations are explored. Overview of Human Intelligence, Signals Intelligence, Geo-spatial Intelligence, Imagery Intelligence, Measurements and Signatures Intelligence, Open Source Intelligence and All-Source Intelligence. Foreign intelligence threats and existing methods that can be employed to counter them are investigated. Key problems faced by the Intelligence Analyst such as are reviewed.

EME 3402  Information Technology Implementation Case Studies
3 sh (may not be repeated for credit)
Information Technologists are professionals who design, develop, and manage systems in the areas of computers, networking, and telecommunications. Examining real world case studies that illustrate important IT project implementation challenges provides an opportunity for learners to develop a disciplined approach to the analysis of complex projects and to derive common best practices from the experiences of organizations who have undergone transformational change through the execution of technology projects. Meets Gordon Rule Writing Requirement.

EME 3406  Web Presence Deployment Strategies
4 sh (may not be repeated for credit)
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 3710  Engineering Technology Applications in CompTIA Security
+ 3 sh (may not be repeated for credit)
Security+ includes important foundational principles for securing a network and managing risk. Access control, identity management and cryptography are important components of the course. Mitigation and deterrent techniques are provided to prevent network attacks and expose potential vulnerabilities. Successful completion of the CompTIA Security+ exam meets the ?Information Assurance (I.A.) technical and management certification requirement? outlined by the U.S. Department of Defense. Non-degree seeking students will be required to pass an online pre-test with a minimum score of 80% prior to enrollment.

EME 3711  Engineering Technology Applications in CompTIA Network
+ 3 sh (may not be repeated for credit)
Network+ includes topics in network technologies, installation and configuration, media and topologies, management, and security. Certification in Network+ enhances several occupations including: network administrator, network technician, network installer, help desk technician and IT cable installer. Network+ is the ?technical prerequisite option? for IT technicians requesting to join the Apple Consultants Network. Successful completion of the certification exam is recognized by the U.S. Department of Defense. Non-degree seeking students will be required to pass an online pre-test with a score of 80% or better prior to enrollment.

EME 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EME 4001  Geospatial Analysis
3 sh (may not be repeated for credit)
Functions of geospatial toolsets, including setting up the workspace, adding imagery and various data-files, importing raw data from spreadsheets, reading data as a table, plotting data on a map, creating features, and manipulating data, are used to analyze cases and scenarios. Students will create professional products that can be used by analysts of all backgrounds. Students will use raw data for the analysis process.

EME 4043  Instructional Technology Leadership
3 sh (may not be repeated for credit)
Students will examine the role of the technology leader in effective integration, management and use of technology in a variety of settings, including education, training, military, public sector and non-profits. The course focuses on technology, information, and information literacy. Special attention is paid to the role of systems thinking in effective technology leadership. Offered concurrently with EME 5316, graduate students will have additional work.

EME 4313  Wireless and Mobile Communications
3 sh (may not be repeated for credit)
Introduces common wireless technologies and wireless network architectures including common carrier cellular networks. Learners will examine characteristics of these technologies and identify their roles in enterprise-class information technology operations. Learners will identify common tools and applications associated with these technologies and explain their roles in design, deployment and management of them. Wireless technologies strengths and weaknesses are described in the context of their effect on enterprise security, performance and cost management.
EME 4454  Technology Systems Implementation Strategies
3 sh (may not be repeated for credit)
Examines the processes and challenges posed by those processes involved in the conception, planning and implementation of a technology systems project. Learners will develop model documents for each process and each phase of the project implementation process.

EME 4474  Social Network Analysis
3 sh (may not be repeated for credit)
Social network analysis toolsets will be used to develop skills in integrating analytic disciplines and methods through real world scenarios by reading, creating, and manipulating SNA charts. Data sets will include class-generated content as well as large spreadsheets, where data will be manipulated through filters and conditional formatting, and using basic algorithms to analyze their data and locate patterns and trends. Interpretation of raw data and product generation using tables and charts, students will develop skills in reading, interpreting, and presenting findings.

EME 4622  Technology Systems Operations: Management Strategies
4 sh (may not be repeated for credit)
Students will develop skills and abilities to effectively manage a networked 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 4627  Technology Systems Operations: Architectures and Components
4 sh (may not be repeated for credit)
Students learn advanced principles associated with designing, developing and operating technology systems for large organizations spanning one or more sites.

EME 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EME 4944  Internship/Practicum
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 5316  Instructional Technology Leadership
3 sh (may not be repeated for credit)
Students will examine the role of the technology leader in effective integration, management and use of technology in a variety of settings, including education, training, military, public sector and non-profits. The course focuses on technology, information, and information literacy. Special attention is paid to the role of systems thinking in effective technology leadership. Offered concurrently with EME 4043, graduate students will have additional work.

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. Credit may not be received in both EME 5625 and EME 5315.

EME 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 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. Credit may not be received in both EME 6317 and EDF 6287.

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)

Students will develop skills used in conducting effective personnel evaluations in an administrative environment. A competency-based performance approach will be taken, and students will develop the skills needed in preparing for, conducting, and giving competency-based personnel evaluations.

EME 6408  Integrated Technology Learning Environments
3 sh (may not be repeated for credit)

The skills and abilities necessary in planning for the integration of technology into educational and training environments are the focus of this course. Students will develop a technology integration plan for a real-world scenario through the application of the major practices and models of technology integration.

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)

Students will gain the knowledge and skills necessary to design and develop web-baseinstruction using a variety of current technologies. Through integrating theory and application, students will learn to critically examine the instructional capabilities of various technologies and identify instructional strategies that support integration. Multiple units of instruction will be developed and designed that demonstrate the ability to align technology integration with the principles of learning theory and instructional design.

EME 6415  Digital Video for Instruction
3 sh (may not be repeated for credit)

Principles of instructional video design and development including designing for learning objectives, effective audio and lighting techniques, video recording, editing, and delivery will be taught. Students will explore the opportunities and technical challenges associated with web-based video as a communication medium. Practical application projects are an integral part of the learning experience as students explore all aspects of instructional video pre-production, production, and post-production.

EME 6426  HPT Interventions
3 sh (may not be repeated for credit)

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-instruction 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)

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)

Students will examine the theory and practice of evaluation models and processes as they relate to the formative, summative and confirmative evaluation of instructional and non-instructional HPT interventions. Students will develop the knowledge, skills and abilities necessary to plan and conduct comprehensive evaluations based on best practices.

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.
to investigate technologies and instructional systems. Build a research framework
emerging technologies to promote motivation, performance and
Design and develop instructional systems that use innovative and
3 sh (may be repeated for up to 6.000 sh of credit)

EME 7063   Research on Emerging and Innovative Technology Systems
3 sh (may not be repeated for credit)

Students will examine the use of instructional systems design models to create instruction that is appropriate from a pedagogical and practical viewpoint. Theories and models to support the design of instruction for use in a variety of instructional formats will be emphasized. Focus areas will include analysis, instructional goals and objectives, assessment, instructional strategies and the role of formative evaluation in instructional design. Students will apply theories and best practices to design a pedagogically sound instructional product.

EME 6609   Principles of Instructional Design
3 sh (may not be repeated for 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 6626   Emerging and Innovative Technology Systems
3 sh (may be repeated for up to 6.000 sh of credit)

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 6905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

EME 6946   Field Experiences in Instructional and Performance Technology
3-6 sh (may not be repeated for 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 be repeated for up to 6.000 sh of 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)

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 7676   Advanced Instructional Design Theory
3 sh (may not be repeated for credit)

Students will research, critique and apply theories that support the practice of instructional design in various instructional situations. Students will examine the key components of the instructional system; the learner, the content and the context, and develop the knowledge, skills and abilities necessary to design and develop theoretically sound instruction. Theories examined will include systems theory, communication theories, learning theories and instructional theories.

EME 7905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

EML-Engineering: Mechanical Courses

EML 3011   Mechanics of Materials
3 sh (may not be repeated for credit)
Prerequisite: EGM 2500 AND EGN 3365* AND EML 3022 AND EML 3172L*

Strength and elastic deflection of engineering materials due to loads applied axially, in torsion, in bending, and in shear. Combined stresses and principal stresses. Applications to design of beams and shafts. Computer simulation of stress under loading.

EML 3015   Thermal Fluid Systems I
3 sh (may not be repeated for credit)
Prerequisite: (PHY 2048 OR PHY 2048C) AND (MAC 2312)

Introduction to thermodynamics including the first and second laws of thermodynamics as well as power and refrigeration cycles. Fundamentals of heat transfer including an introduction to conduction, convection, and radiation.
EML 3016  Thermal Fluid Systems II  
3 sh (may not be repeated for credit)  
Prerequisite: EML 3015 AND EML 3016L* AND MAP 2302  

Further study of thermal fluid systems including an introduction to fluid mechanics. Fluid statics, Bernoulli and energy equations, open and closed flow, drag and lift. Heat transfer via convection and radiation.

EML 3016L  Thermal Fluid Systems II lab  
1 sh (may not be repeated for credit)  
Prerequisite: EML 3016*  

Laboratory experiments related to thermodynamics, fluid mechanics, and heat transfer. Thermal systems measurement devices, performance characteristics and design of engineering experiments.

EML 3022  Computer Aided Design and Modeling  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2311  

Introduction to industry standards for graphical representation of objects and simulation of processes utilizing 2D presentations and 3D modeling.

EML 3172L  Mechanics of Materials lab  
1 sh (may not be repeated for credit)  
Prerequisite: EML 3011*  

Laboratory experiments in materials science, material processing, material stress, strain and bending.

EML 3500  Machine Design  
3 sh (may not be repeated for credit)  
Prerequisite: EML 3011 AND EML 3172L  

Design of machine elements including fasteners, bearings, gears and other power transmission components.

EML 4225  Dynamic Systems  
3 sh (may not be repeated for credit)  
Prerequisite: EGM 3401 AND MAP 2302  

Introduction to modeling and control of dynamic physical systems, vibration analysis, and design of control systems.

EML 4321  Manufacturing Processes  
3 sh (may not be repeated for credit)  
Prerequisite: EML 3011  

An integrated treatment of the analysis of traditional and non-traditional manufacturing processes.

EML 4600  Indoor Environmental Control  
3 sh (may not be repeated for credit)  
Prerequisite: EML 3016  

Gives student a thorough understanding of the fundamental theory of air conditioning design for commercial buildings, including calculating heating and cooling loads along with the proper selection and sizing of air conditioning equipment.

EML 4804  Mechatronic Systems  
3 sh (may not be repeated for credit)  
Prerequisite: ((EEL 3211 AND EGM 2500 AND EML 4881L* AND MAP 2302)) AND (EEL 4834 OR EGM 3344 OR COP 3014)  

This course introduces and demonstrates the synergistic combination of mechanical engineering, electrical and electronics engineering, control engineering, and programming to solve engineering problems and build intelligent systems.

EML 4804L  Mechatronic Systems lab  
1 sh (may not be repeated for credit)  
Prerequisite: EML 4804L*  

This is an introduction to Mechatronics by lab experience for interfacing of mechanical and electrical systems. It provides instruction and practical exercises in C programming, microcontroller programming, interfacing with sensors and actuators, data acquisition, communication, and closed-loop control.

* This course may be taken prior to or during the same term.

ENC-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 Lab. Introduction to academic writing and research at the college level. Course focuses on rhetorical practice, the writing process, language, style, argument, source analysis, critical thinking, and documentation. Students will learn to organize and present ideas and information effectively in argumentative essays supported by research. Satisfies Florida Common Core Communication requirement. Meets Gordon Rule Writing Requirement.

ENC 1102  English Composition II  
3 sh (may not be repeated for credit)  
Prerequisite: ENC 1101  

Introduction to public writing with an emphasis on rhetorical and genre analysis. Course provides instruction on writing to audiences in situations and contexts beyond the academic essay. Students will learn to organize and present ideas in a range of digital and print genres and multiple modes of communication. Satisfies UWF Breadth requirement in Communication. Meets Gordon Rule Writing Requirement.

ENC 1146  Writing Studio  
1 sh (may be repeated for up to 2.000 sh of credit)  

Writing Studio is a one-hour elective that students may take to workshop writing projects assigned in classes across campus. Students receive one-on-one feedback on their writing in a small-group, workshop context. Class size is typically limited to 8-10 students. Writing Studio provides an intensive investigation into the skills and objectives that make college composition effective. In a collaborative environment, students interpret assignments, generate and research ideas, invent topics, and write, evaluate, revise, and edit drafts. Studio teaches these activities as “recursive” in that writers engage and re-engage in them as one moves through the planning, drafting, and revising of assignments. In any given Studio session, students might closely read an assignment description and plan how to begin a project, rhetorically analyze the purpose and audience of a given writing project, workshop drafts at any stage of the writing process, and actively reflect over writing choices. Students learn to ask critical questions about their own writings, and the class engages in a wider, more nuanced conversation about academic conventions.

ENC 1905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)
ENC 2412  Writing in the Digital Age  
3 sh (may not be repeated for credit)  
Prerequisite: ENC 1101 AND ENC 1102  

Students will compose and analyze digital texts that incorporate images, sounds, video, and language. Course focuses on the theory, analysis, and production of digital texts such as blogs, websites, audio podcasts, video, and visual arguments.

ENC 2905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

ENC 3213  Professional and Technical Writing  
3 sh (may not be repeated for credit)  
Prerequisite: ENC 1101 AND ENC 1102  

Students will learn an overview of professional and technical writing principles, current communication issues, research practices, and emerging technologies. This course focuses on communications skills essential for success in technical and professional communication, including audience analysis, collaboration, and document design. Students will create documents such as letters, manuals, reports and proposals used in a variety of workplace environments. Meets Gordon Rule Writing Requirement.

ENC 3350  Advanced Writing Studio  
1 sh (may not be repeated for credit)  
Co-requisite: ENG 3010  

Advanced Writing Studio is a one-hour course that students take concurrently with ENG 3010 Critical Methods for Literature Study. Studio students will discuss and edit writing projects assigned in ENG 3010. Students receive one-on-one feedback on their writing in a small-group, workshop context. Class size is typically limited to 10 students. Writing Studio provides an intensive investigation into the skills and objectives that make critical writing effective. In a collaborative environment, students interpret assignments, generate and research ideas, invent topics, and write, evaluate, revise, and edit drafts.

ENC 3455  Writing for Science, Technology, Engineering and Math Majors  
3 sh (may not be repeated for credit)  
Prerequisite: ((ENC 1101 AND ENC 1102)) AND (CHM 2211 OR GEO 1200/L OR GLY 2010/L OR MAC 2311 OR PHY 2048 OR COP 2253 OR COP 2334)  

This class focuses on the writing style and research conventions of STEM communication. Students will learn how to identify audiences and determine purposes for writing so they can make informed choices about media, genre, content, organization, style, and visual design. Students develop their skills by writing and analyzing Lab Reports and abstracts and by applying the scientific method to solve problems. Meets Gordon Rule Writing Requirement.

ENC 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

ENC 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

ENC 4940  Writing and Editing Internship  
3-6 sh (may be repeated for up to 6.000 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.

ENC 5333  Topics in Rhetoric  
3 sh (may be repeated for up to 9.000 sh of credit)  

Examination of various topics in rhetoric, composition and / or pedagogy as they apply to the history, theory, analysis, and/or practice of rhetoric. Topics change each term. Contact department or instructor for specific topic.

ENC 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

ENC 5945  English Internship  
3 sh (may be repeated for up to 6.000 sh of credit)  

Course description: Students will be placed in internship positions with professional businesses and non-profit organizations in which they may use their advanced skills in writing, research, creativity, and analysis within a professional environment. Students will write final evaluations of their employer site, a lengthy research & reflection paper, and a professional portfolio. 12 hours of graduate courses must be completed prior to taking course. Permission is required. Offered only Fall and Spring Semesters.

ENC 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

**ENG-English: General Courses**

ENG 2905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

ENG 3010  Critical Methods for Literary Study  
3 sh (may not be repeated for credit)  
Co-requisite: ENC 3350  

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. Meets Gordon Rule Writing Requirement.

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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

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. Offered Spring Semester.

ENG 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)
ENG 4934  Capstone Experience
3 sh (may not be repeated for credit)
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)
Presentation on the history of the development of the English language, internal and external, from Indo-European roots to the present. Offered only Spring semester.

ENG 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ENG 6018  History of Literary Theory
3 sh (may not be repeated for credit)
Survey of literary theory from Plato to contemporary thought.

ENG 6019  Topics in Literary Theory
3 sh (may not be repeated for credit)
Topics in literary theory.

ENG 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ENG 6971  Thesis
1-6 sh (may be repeated for up to 12.000 sh of credit)
Graded on satisfactory / unsatisfactory basis only. Permission is required.

ENL-English Literature Courses

ENL 2010  History of English Literature I
3 sh (may not be repeated for credit)
Historical trends: Beowulf to 1660. Primarily for English majors and minors.

ENL 2020  History of English Literature II
3 sh (may not be repeated for credit)
Historical trends: 1660 to present. Primarily for English majors and minors.

ENL 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ENL 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ENL 4203  Old English Language
3 sh (may not be repeated for credit)
Language instruction for speaking, writing, and reading Old English. Offered Fall semester only.

ENL 4210  Topics in Medieval Literature
3 sh (may not be repeated for credit)
Prerequisite: ENL 2010
Students read and discuss a variety of texts by diverse authors across the 1000-year period which can be termed the extended Middle Ages, as well as significant precursor texts and authors, in order to discover lines of origin and influence for evolving formal, stylistic, socio-political and theological results, and to acquire an aesthetic appreciation of the literatures of the period. An awareness of significant critical and theoretical terminologies will be developed and incorporated into classroom discussion and writing projects.

ENL 4224  Topics in Early Modern Literature
3 sh (may be repeated for up to 8.000 sh of credit)
Focused study of a particular issue, theme or body of work in sixteenth and seventeenth-century literature in a variety of genres and Anglophone contexts. Specific course topics will vary depending on faculty expertise and research interests.

ENL 4234  Topics in Eighteenth-Century British Literature
3 sh (may not be repeated for credit)
Focused study of a particular issue, theme or body of work in Restoration and eighteenth-century literature in a variety of genres and Anglophone contexts. Specific course topics will vary according to faculty expertise and research interests.

ENL 4240  Topics in Romantic Literature
3 sh (may not be repeated for credit)
Selected topics engaging the prose and poetry of major Romantics: Blake, Coleridge, Wordsworth, Byron, Keats, Shelley.

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 4303  Single Author Seminar, British Literature, 1700 to the Present
3 sh (may not be repeated for credit)
Prerequisite: ENG 3010
This course is designed to give students an in-depth view into British Literature through detailed study of the work of a single canonical author. Extended study of the oeuvre of a single author gives students insight into not only specific moments of history and the overall scene of publishing/literature, but also how a specific author's style and treatment of themes develop over time.

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.
ESE 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

ESE-Education: Secondary Courses

interactions with the physical Earth system. Co-requisite: ESC 2000.

hydrosphere, atmosphere, and biosphere, including the human
understanding of Earth's physical environment, including an
examination of processes that formed Earth and continue to affect
its physical environment and the communities that live on its surface.
This course demonstrates the basic relationships among lithosphere,
hydrosphere, atmosphere, and biosphere, including the human
interactions with the physical Earth system. Satisfies Florida Common
Core Natural Sciences requirement.

ESC 2000 Introduction to Earth Science
3 sh (may not be repeated for credit)

This course introduces concepts that form the foundation of our
understanding of Earth's physical environment, including an
examination of processes that formed Earth and continue to affect
its physical environment and the communities that live on its surface.
This course demonstrates the basic relationships among lithosphere,
hydrosphere, atmosphere, and biosphere, including the human
interactions with the physical Earth system.

ESC 2000L Introduction to Earth Science Laboratory
1 sh (may not be repeated for credit)
Co-requisite: ESC 2000

EST-Electronic Specialty Tech Courses

EST 3543 Programmable Logic Controllers
4 sh (may be repeated for up to 8.000 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.

ETD-Engineer Technol: 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.

ETI-Engineering Tech: Indus Courses

ETI 3905 Directed Study
1-12 sh (may be repeated indefinitely 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.
ETI 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

**ETM-Engineering Tech: Mech Courses**

ETM 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

**EUH-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. Satisfies UWF Breadth requirement in Social Sciences. 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. Satisfies UWF Breadth requirement in Social Sciences. 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. Credit may not be earned in both EUH 3203 and EUH 3205. 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 4185 Vikings
3 sh (may not be repeated for credit)
The period 800-1100 is often considered the Age of the Vikings. Utilizing historical and archaeological evidence, this course examines how the Vikings came about, lived, and why this period ended. Analysis covers society in Scandinavia as well as outlying areas of Russia, England and North America. Offered concurrently with EUH 5196; graduate students will have additional work.

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  
currently 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 4453  The French Revolution  
3 sh (may not be repeated for credit)  
This course is designed to provide the student with an extensive  
understanding of the origins, evolution and consequences of the  
French Revolution and the rise of Napoleon Bonaparte.

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.

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 4522  Modern Britain  
3 sh (may not be repeated for credit)  
Survey course in British history in the modern period. Overview of  
British history from the end of the Victorian period in 1901 to the  
present.

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 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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)
EUH 5178  Medieval Women
3 sh (may not be repeated for credit)
Medieval Women, which focuses on the experiences of women from the beginning of the Christian era through the early Renaissance in Western Europe and the Mediterranean. This course will pay particular attention to the social construction of sexuality, the definition of separate spheres, and the roles of law, medicine, and the Church in defining women's work, social roles and opportunities, and family functions and responsibilities. Excerpts from primary sources written by women will be read and analyzed, and carefully explored according to History methodology, to understand more deeply their everyday challenges, struggles, and experiences. Offered concurrently with EUH 4614; graduate students will be assigned additional work.

EUH 5196  Vikings
3 sh (may not be repeated for credit)
The period 800-1100 is often considered the Age of the Vikings. Utilizing historical and archaeological evidence, this course examines how the Vikings came about, lived, and why this period ended. Analysis covers society in Scandinavia as well as outlying areas of Russia, England and North America. Offered concurrently with EUH 4185; 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, ascendency of Adolf Hitler and subsequent erosion of traditional European culture. Military and political leaders who served predominante roles within the Third Reich will be studied and discussed, as will the myriad paramilitary organizations within the Nazi Party. Offered concurrently with EUH 4465; graduate students will be assigned additional work.

EUH 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.

EUH 6935  Seminar: Jerusalem in Antiquity and the Middle Ages
3 sh (may not be repeated for credit)
Jerusalem, the holy city of the three major monotheistic religions today, acquired that designation over millennia. This graduate seminar will explore the evolution of Jerusalem into the "Holy City" of the "Holy Land," from the perspective of each of the three religions. Primary sources from events in the history of ancient and medieval Jerusalem will be read and discussed. Historical evidence for co-existence of the three major religious groups in the microcosm of Jerusalem, their shared religious experiences, and violent conflicts will be investigated, as the land itself became terra sancta.

EVR-Environmental Studies Courses

EVR 2001  Introduction to 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. Satisfies Florida Common Core Natural Sciences requirement.

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. Meets Gordon Rule Writing Requirement.

EVR 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

EVR 4023  Coastal and Marine Environments
3 sh (may not be repeated for credit)
Prerequisite: GEO 1200/L OR GLY 2010/L
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. Offered concurrently with EVR5071; graduate students will be assigned additional work.

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 4050  Environmental Field Research
3 sh (may be repeated for up to 6.000 sh of credit)
Prerequisite: GEO 1200/L OR GLY 2100/L; Completion of 75 hours of college course work is required prior to taking this course. 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 EVR 4035

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 and innovative land use controls available to today's urban planners and land-use 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. The primary learning objective of the course is to provide students with a comprehensive "bread and butter" background in the history and techniques of urban planning. The subjectivity of many topics from the course is conducive to lively classroom discussion and (friendly) academic debate.

EVR 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EVR 4941 Practicum in Environmental Studies
3 sh (may be repeated for up to 6,000 sh of credit)
Prerequisite: GLY 2010/L OR GEO 1200/L OR ESC 2000/L

Supervised field experience in business, government, non-profit, 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 5332 Practicum in Environmental Studies
3 sh (may be repeated for up to 6,000 sh of credit)

Supervised field experience in business, government, nonprofit, educational or other environmental organizations. Offered concurrently with EVR 4941; graduate students will be assigned additional work. Permission is required.

EVR 4870 Urban Planning
3 sh (may not be repeated for credit)

This course will be dual-listed with EVR 4870 (Urban Planning). The course reviews the evolution of public control and over land use as well as planning techniques in the U.S. Students are assigned several critical U.S. Supreme Court opinions on major land-use cases. The primary learning objective of the course is to provide students with a comprehensive "bread and butter" background in the history and techniques of urban planning. Graduate students will be assigned extra work and will be graded using a rubric that reflects the higher performance standards to which graduate students will be held.

EVR 5071 Coastal and Marine Environments
3 sh (may not be repeated for credit)

This course will investigate 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. This course is built on basic concepts established in introductory Earth Science courses, so graduate students should be familiar with those concepts. Please consult with the course instructor for any questions regarding these prerequisite concepts. Cross listed with EVR 4023; Graduate students will be assigned additional work.

EVR 5435 Urban Planning
3 sh (may not be repeated for credit)

This course will be dual-listed with EVR 4870 (Urban Planning). The course reviews the evolution of public control and over land use as well as planning techniques in the U.S. Students are assigned several critical U.S. Supreme Court opinions on major land-use cases. The primary learning objective of the course is to provide students with a comprehensive "bread and butter" background in the history and techniques of urban planning. Graduate students will be assigned extra work and will be graded using a rubric that reflects the higher performance standards to which graduate students will be held.

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 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
EVS 6930  Special Topics in Environmental Sciences  
3 sh (may be repeated for up to 9.000 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.

**EVS-Environmental Science Courses**

EVS 4192C  Environmental Soil Science  
3 sh (may not be repeated for credit)  
Examines the delicate nature of soil and the importance of soils for healthy ecosystems. Important ecosystem services provided by soils include food and fiber production, storage of organic carbon, and water and nutrient cycles. Reviews the basic principles of soil science and applies them to environmental issues. Includes the fundamental characteristics and processes of soils and their application to pollution, soil degradation, soil conservation, and remediation along with the physical and chemical properties of common soil pollutants such as trace metals, fertilizers, and some organic pollutants. Includes lectures by the instructor, presentations by graduate students, lab, and field activities. Offered concurrently with EVSS194C (Environmental Soil Science); graduate students will be assigned additional work. Permission is required.

EVS 5194C  Environmental Soil Science  
3 sh (may not be repeated for credit)  
Examines the delicate nature of soil and the importance of soils for healthy ecosystems. Important ecosystem services provided by soils include food and fiber production, storage of organic carbon, and water and nutrient cycles. Reviews the basic principles of soil science and applies them to environmental issues. Includes the fundamental characteristics and processes of soils and their application to pollution, soil degradation, soil conservation, and remediation along with the physical and chemical properties of common soil pollutants such as trace metals, fertilizers, and some organic pollutants. Includes lectures by the instructor, presentations by graduate students, lab, and field activities. Students will be assigned additional work. Permission is required.

EVS 4192C  Environmental Soil Science  
3 sh (may not be repeated for credit)  
Examines the delicate nature of soil and the importance of soils for healthy ecosystems. Important ecosystem services provided by soils include food and fiber production, storage of organic carbon, and water and nutrient cycles. Reviews the basic principles of soil science and applies them to environmental issues. Includes the fundamental characteristics and processes of soils and their application to pollution, soil degradation, soil conservation, and remediation along with the physical and chemical properties of common soil pollutants such as trace metals, fertilizers, and some organic pollutants. Includes lectures by the instructor, presentations by graduate students, lab, and field activities. Students will be assigned additional work. Permission is required.

EVS 4192C  Environmental Soil Science  
3 sh (may not be repeated for credit)  
Examines the delicate nature of soil and the importance of soils for healthy ecosystems. Important ecosystem services provided by soils include food and fiber production, storage of organic carbon, and water and nutrient cycles. Reviews the basic principles of soil science and applies them to environmental issues. Includes the fundamental characteristics and processes of soils and their application to pollution, soil degradation, soil conservation, and remediation along with the physical and chemical properties of common soil pollutants such as trace metals, fertilizers, and some organic pollutants. Includes lectures by the instructor, presentations by graduate students, lab, and field activities. Students will be assigned additional work. Permission is required.

EVS 6196C  Sampling and Analysis in Environmental Sciences  
3 sh (may not be repeated for credit)  
Theory and techniques of modern field and laboratory methods used for physical and chemical analysis of soil, sediment, and water samples. Procedures for exploratory data analysis and interpretation. Emphasis will be upon the collection of samples and their subsequent analysis. Written reports and oral presentations are required. Material and Supply Fee will be assessed.

EVS 6940  Internship  
1-3 sh (may be repeated for up to 6.000 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 12.000 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.

**EVT-Education: Voc/Technical Courses**

**EXP-Experimental Psychology Courses**

EXP 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EXP 4204  Sensation and Perception  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 3213  
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 3213  
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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

EXP 5208  Advanced Sensation and Perception  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 3213  
Students must take EXP 4204 before enrolling in this course. 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)
Survey 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 5735 Experimental and Correlational Statistics for Psychology
3 sh (may not be repeated for credit)
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.

EXP 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

EXP 6085 Seminar in Applied Psychological Sciences
3 sh (may not be repeated for credit)
Prerequisite: PSY 6217
This course provides an opportunity for students in the Applied Experimental Psychology (AEP) MA track to explore a range of study domains and research methodologies across the science of psychology. It is intended as an advanced survey course in which faculty members and students from the School of Psychological and Behavioral Sciences present brief seminars in their areas of research and on topics related to student’s professional development.

EXP 6506 Advanced Cognitive Psychology
3 sh (may not be repeated for credit)
Students must take PSY 3213 and PSY 3215 and EXP 4404; or an undergraduate degree in Psych before enrolling in this course. 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.

EXP 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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. Credit may not be received in FIL 4036 and either FIL 4036C or FIL 4403C.

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. Credit may not be received in FIL 4037 and either FIL 4037C or FIL 4404C.

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. Credit may not be received in both FIL 4102 and MMC 4103. Meets Gordon Rule Writing Requirement.

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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

FIL 5036 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. Credit may not be received in FIL 5038 and either FIL 5038C or FIL 5407C.

FIL 5037 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. Credit may not be received in FIL 4037 and either FIL 4037C or FIL 4404C.

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. Credit may not be received in FIL 5038 and either FIL 5038C or FIL 5407C.

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. Credit may not be received in both FIL 5367 and FIL 5306.

FIL 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

FIN-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. Satisfies UWF Breadth requirement in Social Sciences.
FIN 3144   Financial Planning with Business Applications
3 sh (may not be repeated for credit)
The course covers the business applications and considerations that owners and employees in various industries face (e.g., insurance, home/auto sales, retirement planning). Furthermore, this course considers a variety of consumer financial issues for personal household management. May not be used to satisfy a Finance elective in either the Finance major or the Finance minor.

FIN 3244   Financial Markets and Institutions
3 sh (may not be repeated for credit)
Prerequisite: ACG 2071 AND ECO 2013 AND ECO 2023
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 AND ECO 2013 AND ECO 2023 AND STA 2023
Analytical concepts available to financial manager in acquisition and effective utilization of funds in relation to other management functions.

FIN 3461   Financial Statement Analysis
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403
Introduction to the study of financial statements, including interpreting accounting data and analyzing financial statements. Cross Listed with ACG 3180. Prerequisites: FIN 3403 minimum grade of C.

FIN 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 AND 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 3403 AND GEB 3213
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 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 AND FIN 4504
Portfolio construction, management and measurement bridging modern theory and practice.

FIN 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

FIN 4941   Financial Services Internship
1-6 sh (may not be repeated for 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.

FLE-Foreign Language Education Courses

FLE 2905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

FLE 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

FLE 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

FOL- FOREIGN LANGUAGES Courses

FRE-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. This course is not available for native speakers.
FRE 1121C  French II
4 sh (may not be repeated for credit)
Prerequisite: FRE 1120C
This is a continuation of FRE1120C, a proficiency-oriented course, emphasizing the mastery of the basic skills of the language. An integrated (multi-media) approach to develop proficiency in all the basic language skills: listening/understanding, speaking, reading, writing and cross-cultural awareness. Students will build on their ability to understand frequently used words in oral contexts, as well as understand and respond appropriately to simple phrases and questions. Emphasis is placed on practical vocabulary and accurate pronunciation. This course is not available to native speakers. Prerequisite is FRE 1120C (minimum grade of C) or successful completion of a placement test.

FRE 1905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
FRE 2200  Intermediate Reading and Translation
3 sh (may not be repeated for credit)
Prerequisite: FRE 1121C
The purpose of this course is to offer opportunities for students to develop their language skills and to prepare them for higher-level courses in French. The course will emphasize intensive practice in reading, translation and conversation. The course is intended for students who have previous experience in French, but are not yet prepared for advanced work in the language. This course is not available to native speakers. It has a pre-requisite of FRE1121C (minimum grade of C) or successful completion of a placement test.

FRE 2210  Intermediate Composition & Conversation
3 sh (may not be repeated for credit)
Prerequisite: FRE 1121C
Practical oral communication course for students on an intermediate level. Prepares students for FRE 2200. This course is not available for native speakers. FRE 1121C (minimum grade of C) or successful completion of placement test is required.

FRE 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
FRE 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
FRE 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
FRE 4955  Supervised Foreign Language Field Experience Abroad
1-3 sh (may be repeated indefinitely for 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.

FRE-French Literature Writings Courses
FRW 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
FRW 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GEA-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. Satisfies UWF Breadth requirement in Social Sciences. Meets Multicultural Requirement.

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. Credit cannot be received for both GEA 4405 and GEA 4400. Meets Multicultural Requirement.

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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 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.

GEB-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. Satisfies UWF Breadth requirement in Social Sciences.
Students develop the knowledge and skills needed to start a new business. They create potential opportunities, assess the opportunities and evaluate how to seek seed capital through an elevator speech and business plan with an eye toward the profitability horizon. Students are expected to have an understanding of financial accounting and the business relationships that exist between the generation and use of financial information.

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 5816 MBA Foundations: Principles of Human Resources Management 1.5 sh (may not be repeated for credit)
A course in the Accelerated MBA Foundations Series in which students are introduced to the basic functions of human resource management, including employment law, planning, job analysis, recruitment and selection, training and development, performance management, compensation and benefits, employee and labor relations, safety and health, and international human resource management.

GEB 5870 MBA Foundations: e-Business Systems 1.5 sh (may be repeated for up to 3.000 sh of credit)
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 be repeated for up to 3.000 sh of 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 be repeated for up to 3.000 sh of 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 be repeated for up to 3.000 sh of 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 be repeated for up to 3.000 sh of credit)
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 be repeated for up to 3.000 sh of 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 be repeated for up to 3.000 sh of 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 5878  Business Process Integration
1.5 sh (may not be repeated for credit)
An introductory MBA core course 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 Analytics
1.5 sh (may not be repeated for 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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GEB 5930  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 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.

GEB 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GEO-Geography: Systematic Courses

GEO 1200  Physical Geography
3 sh (may not be repeated for credit)
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. Material and supply fee will be assessed for corresponding lab. Satisfies UWF Breadth requirement in Natural Sciences.

GEO 1200L  Physical Geography Lab
1 sh (may not be repeated for credit)
Prerequisite: GEO 1200*
Corresponding lab for Physical Geography.

GEO 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GEO 3210  Geomorphology
3 sh (may not be repeated for credit)
Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L
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.

GEO 3250  Weather and Climate
3 sh (may not be repeated for credit)
Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L
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 3250L  Weather and Climate Lab
1 sh (may not be repeated for credit)
Prerequisite: GEO 3250*
Corresponding Lab for Weather and Climate.
GEO 3260  Geography of Soils  
3 sh (may not be repeated for credit)  
Prerequisite: (GEO 1200/L OR GLY 2010/L OR ESC 2000/L) AND (CHM 2045/L)  
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. Material and supply fee will be assessed.  
GEO 3372  Conservation of Natural Resources  
3 sh (may not be repeated for credit)  
Nature and extent of mineral, soil, water, forest and wildlife resources and their conservation, with particular emphasis on the United States against a general background of world resources. Conservation philosophies, practices and their geographic bases. Occasional field trips may be arranged.  
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. Credit cannot be received for both GEO 3471 and GEO 3470. Meets Multicultural Requirement.  
GEO 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
GEO 4164  Geostatistics  
3 sh (may not be repeated for credit)  
Prerequisite: GIS 4043/L AND STA 2023  
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. Material and Supply Fee will be assessed.  
GEO 4211  Coastal Morphology and Processes  
3 sh (may not be repeated for credit)  
Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L  
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. Material and supply fees will be assessed.  
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  
3 sh (may not be repeated for credit)  
Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L  
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. Offered concurrently with GEOS289; graduate students will be assigned additional work.  
GEO 4280L  Basic Hydrology Lab  
1 sh (may not be repeated for credit)  
Prerequisite: GEO 4280  
Co-requisite: GEO 4280  
Corresponding Lab for Basic Hydrology.  
GEO 4332  Senior Seminar  
1 sh (may be repeated for up to 2.000 sh of credit)  
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)  
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 4376  Landscape Ecology  
3 sh (may not be repeated for credit)  
Prerequisite: BOT 2010/L OR GEO 1200/L OR GLY 2010/L OR ESC 2000/L  
Co-requisite: GEO 4376L  
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 5378; graduate students will be assigned additional work.  

GEO 4376L  Landscape Ecology Lab  
1 sh (may not be repeated for credit)  
Co-requisite: GEO 4376  
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 GEO5378L. 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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
GEO 5165  Geostatistics  
3 sh (may not be repeated for credit)  
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. Material and Supply Fee will be assessed.  

GEO 5225  Coastal Morphology and Processes  
3 sh (may not be repeated for credit)  
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. Material and supply fee will be assessed.  

GEO 5256  Advanced Climatology and Climate Change  
3 sh (may not be repeated for credit)  
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 GEO4XX3 (Advance Climatology); graduate students will be assigned additional work.  

GEO 5289  Basic Hydrology  
3 sh (may not be repeated for credit)  
Co-requisite: GEO 5289L  
This course focuses on the hydrologic cycle, with emphasis on surface water components. Particular topics include: precipitation, evapotranspiration, water budget, stream flow, and underground water sources and their measurements. This course is built on basic concepts established in introductory Earth Science courses, so graduate students should be familiar with those concepts. Please consult with the course instructor for any questions regarding these prerequisite concepts. Material and supply fee will be assessed for corresponding lab. Cross listed with GEO 4280; Graduate Students will be assigned additional work. Co-requisites: GEO 5289L.  

GEO 5289L  Basic Hydrology Lab  
1 sh (may not be repeated for credit)  
Co-requisite: GEO 5289  

GEO 5378  Landscape Ecology  
3 sh (may not be repeated for credit)  
Co-requisite: GEO 5378L  
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 4376; graduate students will be assigned additional work.  

GEO 5378L  Landscape Ecology Lab  
1 sh (may not be repeated for credit)  
Co-requisite: GEO 5378  
Laboratory section offered with existing Landscape Ecology 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 GEO4376L (Landscape Ecology 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.

GEO 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GEO 5930  Seminar in Environmental Issues
3 sh (may not be repeated for credit)

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)

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
1-12 sh (may be repeated indefinitely for credit)

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.

* This course may be taken prior to or during the same term.

GER-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

For students with prior knowledge of German at the basic level and/or completion of GER 1120C. German II continues to introduce students to the German language and German-speaking cultures and further develops abilities in speaking, writing, and reading the language. One hour of lab work per week is required. This course is not available to native speakers. Pre-requisite is GER 1120C (minimum grade of C) or successful completion of a placement test.

GER 1905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GER 2240  German Intermediate Composition and Conversation
3 sh (may not be repeated for credit)
Prerequisite: GER 1121C

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. Students explore life in the German-speaking countries through reading, discussing, and engaging with short narrative texts in various ways. The course emphasizes vocabulary building, includes a thorough review of German grammar, and the composition of short texts to develop writing skills. This course is not available for native speakers. GER 1121C (minimum grade of C) or successful completion of a placement test is required.

GER 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GER 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GEO-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 required to complete additional work. Permission is required.

GIS-Geographic Inform Syst Courses

GIS 3015  Cartographic Skills
3 sh (may not be repeated for credit)
Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L
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 GEO 3100 and GIS 3015.

GIS 3015L  Cartographic Skills Lab
1 sh (may not be repeated for credit)
Prerequisite: GIS 3015*
Co-requisite: GIS 3015

Corresponding lab for Cartographic Skills.
GIS 4006   Computer Cartography
3 sh (may not be repeated for credit)
Prerequisite: GIS 4006L*

The course focuses on the fundamentals of cartography, spatial statistics, thematic mapping techniques, and web based mapping. Students will gain an inter-disciplinary understanding of cartographic representation and visualization with hands on applications using cutting edge GIS and graphic design software to create purpose tailored maps. Upon successful completion of this course, students will be able to interpret and appropriately communicate spatial data; will have developed a personalized cartographic style; will have created a professional GIS portfolio for current/potential employers; and most importantly will have developed a keen appreciation for maps and spatial awareness.

GIS 4006L   Computer Cartography Lab
1 sh (may not be repeated for credit)
Co-requisite: GIS 4006

The course focuses on the fundamentals of cartography, spatial statistics, thematic mapping techniques, and web based mapping. Students will gain an inter-disciplinary understanding of cartographic representation and visualization with hands on applications using cutting edge GIS and graphic design software to create purpose tailored maps. Upon successful completion of this course, students will be able to interpret and appropriately communicate spatial data; will have developed a personalized cartographic style; will have created a professional GIS portfolio for current/potential employers; and most importantly will have developed a keen appreciation for maps and spatial awareness.

GIS 4035   Photo Interpretation and Remote Sensing
3 sh (may not be repeated for credit)
Prerequisite: GIS 3015/L

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
1 sh (may not be repeated for credit)
Prerequisite: GIS 4035*
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 4035/L

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. Material and supply fee will be assessed. Permission is required.

GIS 4043   Geographic Information Systems
3 sh (may not be repeated for credit)
Co-requisite: GIS 4043L

Spatial database will be queried to solve spatial problems, analyze related attributes, and produce computerized cartographic output. Examines spatial data structures, data acquisition, processing, management, manipulation, and analysis for interdisciplinary applications and research. Permission is required. Material and Supply Fee will be assessed for corresponding lab. Credit cannot be received for both GIS 4043 and GEO 4151.

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. Material and Supply fee will be assessed.

GIS 4048 Applications in Geographic Information Systems
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043/L

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. Material and supply fee will be assessed. Credit cannot be received for both GIS 4048 and GEO 4152.

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. Material and supply fee will be assessed. Credit cannot be received for both GIS 4071 and GEO 4373.

GIS 4102   GIS Programming
3 sh (may not be repeated for credit)
Prerequisite: GIS 4043/L

In today's technology driven world we are fortunate to have access to many tools with which to analyze and explore digital spatial data. During this course students will learn to use programming techniques to create applications that perform fundamental spatial analysis and automation tasks, such as geoprocessing, editing, database management, projecting data, and map creation. The course will focus primarily on using the Python programming language within the context of Esri’s desktop GIS environment. 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.
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 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. Restricted to students in online GIS Certificate Program.

**GIS 4905 Directed Study**
1-12 sh (may be repeated indefinitely for credit)

**GIS 4930 Special Topics in Geographic Information Science**
3 sh (may be repeated for up to 6.000 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. Material and supply fee will be assessed.

**GIS 4938 Special Topics in GIS for Archaeology**
3 sh (may not be repeated for credit)
Prerequisite: GIS 4260

This course will serve as an advanced approach 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 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. Offered concurrently with GIS 5938; graduate students will be assigned additional work.

**GIS 4944 GIS Internship**
1-3 sh (may not be repeated for 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 5007 Computer Cartography**
3 sh (may not be repeated for credit)
Co-requisite: GIS 5007L

The course focuses on the fundamentals of cartography, spatial statistics, thematic mapping techniques, and web based mapping. Students will gain an inter-disciplinary understanding of cartographic representation and visualization with hands on applications using cutting edge GIS and graphic design software to create purpose tailored maps. Upon successful completion of this course, students will be able to interpret and appropriately communicate spatial data; will have developed a personalized cartographic style; will have created a professional GIS portfolio for current/potential employers; and most importantly will have developed a keen appreciation for maps and spatial awareness.

**GIS 5007L Computer Cartography Lab**
1 sh (may not be repeated for credit)
Co-requisite: GIS 5007

The course focuses on the fundamentals of cartography, spatial statistics, thematic mapping techniques, and web based mapping. Students will gain an inter-disciplinary understanding of cartographic representation and visualization with hands on applications using cutting edge GIS and graphic design software to create purpose tailored maps. Upon successful completion of this course, students will be able to interpret and appropriately communicate spatial data; will have developed a personalized cartographic style; will have created a professional GIS portfolio for current/potential employers; and most importantly will have developed a keen appreciation for maps and spatial awareness.

**GIS 5027 Aerial Photography and Remote Sensing**
3 sh (may not be repeated for credit)

This course emphasizes the fundamentals of aerial photography and digital processing of satellite images. In the first part of the course, characteristics of aerial photographs, such as scale and distortion, are discussed. Criteria used in the interpretation of aerial photographs are introduced. In the second part of the course the physical and technical principles of digital satellite remote sensing are explained. This course is built on basic concepts established in introductory Earth Science and Cartography courses, so graduate students should be familiar with those concepts. Please consult with the course instructor for any questions regarding these prerequisite concepts. Graduate students will be assigned additional work.

**GIS 5027L Aerial Photography and Remote Sensing Lab**
1 sh (may not be repeated for credit)
Prerequisite: GIS 5027*
Co-requisite: GIS 5027

Concepts learned in associated lecture will be applied in this lab. Interpretation of physical and human features will be carried out on real-world aerial photographs. Digital satellite images will be processed, analyzed and interpreted in lab using digital image processing software. The software will be introduced in lecture and lab. This course is built on basic concepts established in introductory Earth Science and Cartography courses, so graduate students should be familiar with those concepts. Please consult with the course instructor for any questions regarding these prerequisite concepts. Graduate students will be assigned additional work.

**GIS 5039 Applications in Remote Sensing**
3 sh (may not be repeated for credit)

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. Credit cannot be received for both GIS 5039 and GEO 5139.
GIS 5050  Geographic Information Systems
3 sh (may not be repeated for credit)
Co-requisite: GIS 5050L
This course teaches fundamental concepts and techniques of Geographic Information Systems (GIS). It covers basic concepts such as map projections, spatial data models, relational databases, spatial analysis, and visualization of spatially distributed data and phenomena. The applications of GIS are presented. Future issues for GIS and state-of-the-art technology are also discussed. Cross listed with GIS 4043; Graduate students will be assigned additional work.

GIS 5050L  Geographic Information Systems Lab
1 sh (may not be repeated for credit)
Prerequisite: GIS 5050*
Co-requisite: GIS 5050
This course teaches fundamental concepts and techniques of Geographic Information Systems (GIS). It covers basic concepts such as map projections, spatial data models, relational databases, spatial analysis, and visualization of spatially distributed data and phenomena. The applications of GIS are presented. Future issues for GIS and state-of-the-art technology are also discussed. Cross listed with GIS 4043L; Graduate students will be assigned additional work.

GIS 5100  Applications in Geographic Information Systems
3 sh (may not be repeated for credit)
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. Material and supply fee will be assessed. Credit cannot be received for both GIS 5100 and GEO 5157.

GIS 5103  GIS Programming
3 sh (may not be repeated for credit)
Prerequisite: GIS 5050/L
In today's technology driven world we are fortunate to have access to many tools with which to analyze and explore digital spatial data. During this course students will learn to use programming techniques to create applications that perform fundamental spatial analysis and automation tasks, such as geoprocessing, editing, database management, projecting data, and map creation. The course will focus primarily on using the Python programming language within the context of Esri's desktop GIS environment. 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)
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 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. Restricted to students in the online GIS Certificate program.

GIS 5935  Special Topics in Geographic Science
3 sh (may be repeated for up to 6.000 sh of credit)
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. Material and supply fee will be assessed.

GIS 5938  Special Topics in GIS for Archaeology
3 sh (may not be repeated for credit)
Prerequisite: GIS 5265
This course will serve as an advanced approach 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 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. Offered concurrently with GIS 4938; graduate students will be assigned additional work.

GIS 5945  GIS Internship
1-3 sh (may not be repeated for 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 a final presentation. Restricted to students majoring in MSA Geographic Information Systems specialization.

GIS 6110  Advanced Topics in Geographic Information Science
3 sh (may not be repeated for credit)
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. Material and supply fee will be assessed. Credit cannot be received for both GIS 6110 and GEO 6159.

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. Offered Fall and Spring semesters. Restricted to students in MSA Geographic Information Systems specialization program.
GLY 4240   Geochemistry
3 sh (may not be repeated for credit)
Prerequisite: (GEO 1200/L OR GLY 2010/L OR ESC 2000/L) AND (CHM 2045)
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: (GEO 1200/L OR GLY 2010/L OR ESC 2000/L) AND (CHM 2045) AND (BOT 2010 OR BSC 1005 OR BSC 2010)
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 5246; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GLY 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

* This course may be taken prior to or during the same term.

GLY-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. Satisfies UWF Breadth requirement in Natural Sciences.

GLY 2010L   Physical Geology Laboratory
1 sh (may not be repeated for credit)
Lab correlating with GLY 2010. Material and supply fee will be assessed.

GLY 3031C   Environmental Geology
4 sh (may not be repeated for credit)
Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L
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. Material and Supply Fee will be assessed. Credit may not be earned in both GLY 3880C and GLY 3031C.

GLY 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

GRA-Graphic Design Courses

GRA 2111C   Principles of Graphic Design
3 sh (may not be repeated for credit)
Prerequisite: ART 2201C
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.
GRA 2208C  Typography
3 sh (may not be repeated for credit)
Prerequisite: GRA 2111C
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 3102C  Graphic Design Studio I
3 sh (may not be repeated for credit)
Prerequisite: GRA 2111C AND GRA 2208C
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: Poster 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 3112C  Graphic Design Studio II
3 sh (may not be repeated for up to 6.000 sh of credit)
Prerequisite: GRA 3102C
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: Poster Design and Digital Illustration, Branding and Identity Systems, Data Visualization and Information Design, and Packaging Design.

GRA 3139C  Motion Graphics
3 sh (may be repeated for up to 9.000 sh of credit)
Prerequisite: DIG 3309C AND GRA 2208C
A further articulation of the techniques and components of time-based media design. Exercises and projects will introduce basic concepts of art and design in time. Students will use time and movement, elements of the moving image, serial, sequential, and narrative ordering, moving image editing, sound and image relations, as well as object and event analysis to create time-based designs. Students will develop advanced skills in time-based media as an expressive and communicative art form. Aesthetic, technical, historical, and conceptual issues will be addressed through lectures, demonstrations, exercises, projects, screenings, research, and readings.

GRA 3151C  Digital Illustration
3 sh (may not be repeated for credit)
Prerequisite: GRA 2484C AND PGY 2801C
An introductory class in creating illustration in a digital environment. Topics including the study of illustration as visual interpretation of words, concepts, and ideas. Students are challenged by assignments based on jobs typical of those given in the professional arena such as advertising, publishing, and editorial illustration. Students will develop illustrations using traditional thumbnails, sketches, and color studies, and complete the final artwork using industry standard software in a digital environment with digital tablets and pens. Students will learn to render in varying styles, and begin to develop a digital illustration style of their own. Final digital illustrations will be expected to demonstrate the same qualities as traditional illustration, including but not limited to style, composition, color theory, perspective, and concept. Final illustrations will also be assessed for technical cleanliness, edit-ability, and adherence to guidelines given.

GRA 3196C  Contemporary Design Culture
3 sh (may not be repeated for credit)
Prerequisite: ARH 3724 AND GRA 3112C
Exploration of contemporary design culture presented in a studio problem-solving format. Explores how the interplay of artists, designers, and thinkers with technological and economic forces has created the look and feel of the objects and practices that shape our culture. Combines study of pop culture and recent design history with an investigation of philosophical, sociological, psychological, and technological issues. This senior-level studio course consists of three advanced projects that are built around the study of modern, post-modern, and contemporary design theory.

GRA 3521C  Graphic Design for Interactive Applications
3 sh (may not be repeated for credit)
Prerequisite: ART 2600C AND GRA 2111C AND GRA 2208C
An intermediate graphic design course involving complex interactive projects for the web and other technologies using standards-compliant HTML and CSS. Students will have the opportunity to learn the application of semantic code markup in order to gain an understanding of the separation of content and form in dynamic media. Alternate forms of scripting for the web and interaction with databases will also be introduced.

GRA 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

GRA 4930C  Special Topics in Digital Media Design
3 sh (may be repeated for up to 9.000 sh of credit)
Prerequisite: ART 2602C
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 6.000 sh of credit)
Prerequisite: ART 3618C AND GRA 2208C

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 report on internship experience, including weekly journals, written reports and an oral presentation to department advisor. Graded on a satisfactory / unsatisfactory basis only. Permission is required.

GRA 4950C  Graphic Design Portfolio
3 sh (may be repeated for up to 6.000 sh of credit)
Prerequisite: GRA 2208C AND GRA 3102C AND GRA 3112C AND GRA 4112C

This course focuses on the development and execution of a graphic design and digital medial 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.

GRE-Class Greek (Lang Study) Courses
GRE 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

HFT-Hospitality Management Courses
HFT 2000  Introduction to the Hospitality Industry
3 sh (may not be repeated for credit)

Introduce students to management career options within the hospitality industry; which include lodging, food & beverage, meetings & conventions, recreation & leisure, gaming entertainment, cruising, clubs, and transportation. The importance of leadership and service culture are also discussed.

HFT 3053  Travel and Tourism Management
3 sh (may not be repeated for credit)

Students study the organizations and techniques involved in developing and promoting a destination. The course highlights the importance of teamwork between the public and private sectors in tourism related activities. Cross-disciplinary examination of the many facets of travel and tourism management are also explored.

HFT 3214  Hospitality Safety, Sanitation and Risk Management
3 sh (may not be repeated for credit)

Students study safety and sanitation management principles in the hospitality industry related to safe food handling practices, responsible alcohol service, and developing and maintaining a sustainable facility for hospitality guests and employees. Students may obtain NRA ServSafe Food Safety and ServSafe Alcohol certifications, as well as the AHLA Risk Management Certification.

HFT 3221  Human Resources in the Hospitality Industry
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000

Introduction to human resource management in the hospitality industries with emphasis placed upon motivation and training. Guest satisfaction is dependent upon employee satisfaction; therefore, strategies are explored to combat the high turnover which characterizes hospitality fields.

HFT 3271  Spa Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000

An examination of today's spa industry, spa careers, spa director's perspective, quality of spa experience, industry trends and future directions. Students will learn best practices that have proven successful in the spa industry. 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 3333  Contemporary Club Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000

Introduction to the world of private club management, including club governance, service excellence, organizational structure, human resources, quality management systems for clubs, government regulations, club marketing, food and beverage operations, computer technology for clubs, golf operations in clubs, club fitness operations, and club facilities management. Students learn how to incorporate sustainability practices in club management.

HFT 3414  Managing Front Office Operations
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000*

Students learn a systematic approach to front office procedures by detailing the flow of business through a hotel, from 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 AND HFT 3214*

Provides the foundation for understanding the various challenges and responsibilities involved in food and beverage management. Students will examine the formulation, implementation, and evaluation of food and beverage organizations and apply the conceptual frameworks to specific situations. All aspects of food and beverage operations are covered including organization, marketing, menus, costs and pricing, production, service, safety, and finances.

HFT 3932  The Disney Semester: Experiential Learning in the Hospitality Industry
3-12 sh (may not be repeated for credit)
For students who have been accepted into the Walt Disney World College Program. Students will participate in classroom education (maximum of 4 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)

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: 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 4277 Resort Operations and Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000 AND HFT 3414 AND HFT 3814C
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 4295 Strategic Leadership in Hospitality Management
3 sh (may not be repeated for credit)
Prerequisite: GEB 3213 AND HFT 2000 AND HFT 3003 AND HFT 3221 AND HFT 3414 AND HFT 3814C AND HFT 4277 AND HFT 4426 AND MAN 3025 AND MAN 3240 AND MAR 3023
Strategic management case approach is used to solve realistic problems by drawing upon all previous course concepts while developing leadership skills. In depth analysis of hospitality and tourism organizations dealing with strategic planning, leadership, management, budgeting, records and reports, risk management, staff organization, and coordination of resources. This course serves as the Global Hospitality and Tourism capstone. Offered concurrently with HMG 5296; graduate students will be assigned additional work.

HFT 4343 Planning and Design for the Hospitality Industry
3 sh (may not be repeated for credit)
Prerequisite: (HFT 2000 AND HFT 2850C) OR (HFT 1000 AND HFT 3414) OR (HFT 1254 AND HFT 3814C) OR FSS 1221C
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 which fulfill travel/recreation expectations; operate graciously in the community; and function efficiently to realize profit.

HFT 4426 Hospitality Financial Analysis & Revenue Optimization
3 sh (may not be repeated for credit)
Prerequisite: ACG 2021 AND ACG 2071 AND HFT 2000
Specialized accounting techniques applicable to the hospitality industry; interpret hospitality financial statements, capital investment decision making, financial instruments and concepts; survey of revenue management and analytics related tactics, issues, and trends in the hospitality industry. Perishable inventory with variable demand necessitates effective revenue management to realize the tourism and hospitality mechanism of revenue optimization. Participation in this course will afford students the opportunity to identify and exploit the core elements of revenue management, namely forecasting, controls (pricing and allocation/optimization decisions) and monitoring. This course aims for students to establish a reasonable level of relevant analytical/technical proficiency in each one of these core revenue management elements. Within the broader area of pricing theory, additional emphasis is placed on overbooking, consumer behavior, distribution channel management, and market segmentation. Utilizing STR hospitality metrics, students will develop hotel analytical skills and the opportunity to receive the Certification in Hotel Industry Analytics (CHIA). Offered concurrently with HMG 5466; graduate students will be assigned additional work.

HFT 4503 Service Experience Marketing for Hospitality Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000 AND HFT 3414 AND HFT 3814C AND MAR 3023
Examine significant issues facing hospitality and tourism service providers and the successful implementation of a customer focus in service-based businesses. Course includes an overview of services marketing; understanding the customer; standardizing and aligning the delivery of services; the people who deliver and perform services; managing demand and capacity; and promotion and pricing strategies in hospitality and tourism marketing. Offered concurrently with HMG 5506; graduate students will be assigned additional work.

HFT 4753 Special Event Management
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000
Convention facilities, convention and visitors bureaus, sponsors, host venues, stakeholders, tradeshows and meeting management are examined. Analysis of the methods and techniques of event design, organization, implementation, and evaluation. Legal issues and trends are studied. The economic impact of the special events business upon destinations is studied.

HFT 4940 Internship in Hospitality Management
1-3 sh (may be repeated for up to 3.000 sh of credit)
Prerequisite: HFT 2000
Students are required to work 800 paid hours in a hospitality industry position. Students work in a hospitality, recreation or resort related organization and have the opportunity to put theory into practice through active participation. Students are supervised by a management-level agency employee as well as by a faculty advisor. Permission is required to enroll.

* This course may be taken prior to or during the same term.
HIS-Gen History Historiograp 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. Permission is required.

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 3930  Junior Seminar
3 sh (may not be repeated for credit)
Prerequisite: HIS 3002

The Junior Seminar acts as a capstone course for history majors in their Junior year. This course provides the student with an opportunity to refine and practice skills learned in previous courses and to produce a work of historical scholarship. Each student will conduct original research and write a paper based on primary and secondary sources. At the end of the semester the student will give an oral presentation.

HIS 3948  Service Learning Field Study II
1-3 sh (may not be repeated for up to 4.000 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 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 4081  Advanced Museology
3 sh (may not be repeated for credit)

This seminar in advanced museum studies introduces students to the larger museum operation elements including museum history, philosophy, administration, ethics, and public responsibility. Because of the nature of this course, you will have an unparalleled opportunity to immerse yourself in the discipline and cultivate a clear understanding of the field. The intensive course consists of one full week of concentrated class meetings followed by the remaining segments of the summer to complete museum projects. Offered concurrently with HIS 5087; graduate students will be assigned additional work.

HIS 4086  Issues in Historic Preservation
3 sh (may not be repeated for credit)

This course offers students a general introduction to the history, practices, principles, and fields of historic preservation. Offered concurrently with HIS 5084; graduate students will have additional work.

HIS 4251  Route 66 to the Atomic West
3 sh (may not be repeated for credit)

This course will provide students with an unparalleled opportunity to develop an in-depth understanding of Western Cold War, urban, and cultural history. This will include both in-class instruction as well as an inclusive twenty-seven day tour throughout the American West. During the first half of the summer, at the University of West Florida, the students will engage in lectures, discussions, and exercises, complete a series of comprehensive readings and topical research assignments, and prepare a series of podcasts on locations throughout the Atomic West. Throughout the month of July, for twenty seven days, the class will travel throughout eleven states and engage in presentations, tours, site-visits, and other activities. During this time, students will photograph, record, and document their findings and experiences. Through this process, students will gain an extensive and profound understanding of the course material as well as the locations that are part of our national history. Throughout our travels, students will upload their professional-quality podcasts about their trip and insights on the atomic west into the Next Exit History? system. Offered concurrently with HIS 5256; graduate students will have 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 4354  Modern Military Leaders
3 sh (may not be repeated for credit)

Military leaders who have significantly affected various conflicts and pertinent developments in the modern age. Examines the prominent European and American military leaders and leadership skills from the age of religious conflicts in Europe through the Second World War. Encompasses the periods of absolutism, imperialism and colonialism, revolution and the emergence of democracy, and the rise of twentieth-century fascism.

HIS 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
HIS 4955 Overseas and Field Study in History
1-6 sh (may not be repeated for 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 5059 Graduate Methods
3 sh (may not be repeated for credit)
Research and preparation for writing theses and graduate papers.

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 5084 Issues in Historic Preservation
3 sh (may not be repeated for credit)
This course offers students a general introduction to the history, practices, principles, and fields of historic preservation. Offered concurrently with HIS 4086; graduate students will be assigned additional work.

HIS 5087 Advanced Museology
3 sh (may not be repeated for credit)
Historical museum operation: philosophy, administration, ethics, and public responsibility.

HIS 5256 Route 66 to the Atomic West
3 sh (may not be repeated for credit)
This course will provide students with an unparalleled opportunity to develop an in-depth understanding of Western Cold War, urban, and cultural history. This will include both in-class instruction as well as an inclusive twenty-seven day tour throughout the American West. During the first half of the summer, at the University of West Florida, the students will engage in lectures, discussions, and exercises, complete a series of comprehensive readings and topical research assignments, and prepare a series of podcasts on locations throughout the Atomic West. Throughout the month of July, for twenty seven days, the class will travel throughout eleven states and engage in presentations, tours, site-visits, and other activities. During this time, students will photograph, record, and document their findings and experiences. Through this process, students will gain an extensive and profound understanding of the course material as well as the locations that are part of our national history. Throughout our travels, students will upload their professional-quality podcasts about their trip and insights on the atomic west into the Next Exit History? system. Offered concurrently with HIS 4251; graduate students will have additional work assigned.

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 not be repeated for 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 6083 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 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 6356 Modern Military Leaders
3 sh (may not be repeated for credit)
This course will examine the military leaders who have significantly affected various conflicts and pertinent developments in the modern age.

HIS 6904 Directed Readings
1-3 sh (may not be repeated for credit)
Permission is required.

HIS 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

HIS 6911 Master's Research
1-3 sh (may be repeated for up to 3.000 sh of credit)
Permission is required.

HIS 6956 Advanced Overseas and Field Study in History
1-6 sh (may not be repeated for 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 6.000 sh of credit)
Graded on satisfactory / unsatisfactory basis only. Permission is required.
**HLP-Health Leisure Phys Educ 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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

HLP 4922  Field Experience  
1-3 sh (may not be repeated for 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 not be repeated for 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 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

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 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

HLP 6922  Field Experience  
1-3 sh (may be repeated for up to 6.000 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  
3-6 sh (may be repeated for up to 6.000 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 6971  Thesis  
1-6 sh (may be repeated for up to 6.000 sh of credit)  
Graded on a satisfactory / unsatisfactory basis only. Permission is required.

**HMG-Hospitality Management Graduate Courses**

HMG 5296  Strategic Leadership in Hospitality Management  
3 sh (may not be repeated for credit)  
Prerequisite: HMG 5466 AND HMG 5506  
Strategic management case approach is used to solve realistic problems by drawing upon all previous course concepts while developing leadership skills. In depth analysis of hospitality and tourism organizations dealing with strategic planning, leadership, management, budgeting, records and reports, risk management, staff organization, and coordination of resources. This course serves as the Global Hospitality and Tourism capstone. Offered concurrently with HFT 4295; graduate students will be assigned additional work. Designed for M.B.A. candidates and should be taken as the last course in the Hospitality and Tourism Leadership area of emphasis. Permission is required.

HMG 5466  Hospitality Financial Analysis & Revenue Optimization  
3 sh (may not be repeated for credit)  
Specialized accounting techniques applicable to the hospitality industry; interpret hospitality financial statements, capital investment decision making, financial instruments and concepts; survey of revenue management and analytics related tactics, issues, and trends in the hospitality industry. Perishable inventory with variable demand necessitates effective revenue management to realize the tourism and hospitality mechanism of revenue optimization. Participation in this course will afford students the opportunity to identify and exploit the core elements of revenue management, namely forecasting, controls (pricing and allocation/optimization decisions) and monitoring. This course aims for students to establish a reasonable level of relevant analytical/technical proficiency in each one of these core revenue management elements. Within the broader area of pricing theory, additional emphasis is placed on overbooking, consumer behavior, distribution channel management, and market segmentation. Utilizing STR hospitality metrics, students will develop hotel analytical skills and the opportunity to receive the Certification in Hotel Industry Analytics (CHIA). Offered concurrently with HFT 4426; graduate students will be assigned additional work.
HMG 5506  Service Experience Marketing for Hospitality Management
3 sh (may not be repeated for credit)
Examine significant issues facing hospitality and tourism service providers and the successful implementation of a customer focus in service-based businesses. Course includes an overview of services marketing; understanding the customer; standardizing and aligning the delivery of services; the people who deliver and perform services; managing demand and capacity; and promotion and pricing strategies in hospitality and tourism marketing. Offered concurrently with HFT 4503; graduate students will be assigned additional work.

HSA-Health Services Admin Courses

HSA 3111  Understanding U.S. Health Care
3 sh (may not be repeated for credit)
This course provides an orientation to the characteristics and foundation of the U.S. Health Care system including a review of health professionals, technology, financing and reimbursement, delivery systems, vulnerable populations, process improvement, and health policy.

HSA 3140  Strategic Planning in Healthcare
3 sh (may not be repeated for credit)
This course focuses on strategic management as it applies to health care organizations with special emphasis on strategic planning, analysis of the health services environment (both internal and external), marketing and implementation. Healthcare case studies are used to illustrate key concepts.

HSA 3170  Principles of Healthcare Finance
3 sh (may not be repeated for credit)
Prerequisite: (ACG 2071 OR ACG 3082) AND (ACG 2021)
This course provides students with an introduction to the fundamentals of health care finance as practiced in health services organizations. The course will enable students entering management positions to more readily become effective and efficient participants in the achievement of organizational goals. Reimbursement insurance and third-party payments are covered.

HSA 3551  Health Ethics and Professionalism
3 sh (may not be repeated for credit)
This course includes an overview of ethical issues facing today's health care practitioners in addressing clinical and administrative decision-making. This course will also focus on the importance of professionalism and effective communication skills in dealing with health care consumers and other medical professionals in the health care industry.

HSA 4002  Healthcare Administration
3 sh (may not be repeated for credit)
This course provides students with an overview of concepts and issues related to healthcare administration in a variety of healthcare settings, such as hospitals, nursing homes, clinics and others. Emphasis is placed on important issues such as ethics, controlling costs, strategic planning and marketing, information technology, and personnel administration.

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  Current Topics in Health Informatics
3 sh (may not be repeated for credit)
Provides an overview of the multifaceted, interdisciplinary nature of health (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. Credit may not be received in both HSA 4192 and HSA 4190. This course was formally known as Introduction to Medical Informatics.

HSA 4193  Electronic Clinical Record Systems
3 sh (may not be repeated for credit)
Explores the use and evaluation of commercially available electronic medical record systems. Health care workflow issues will be addressed in the context of impacts of billing, collections, HIPAA, and scheduling in a health care practice. Offered concurrently with HSA 5198; graduate students will be assigned additional work.

HSA 4340  Personnel Administration in Healthcare
3 sh (may not be repeated for credit)
This course focuses on the fundamental concepts and practical tools necessary for maximizing employee performance in healthcare organizations with special emphasis on the complex factors that influence the performance of this unique workforce in a dynamic industry.

HSA 4383  Quality Improvement in Healthcare
3 sh (may not be repeated for credit)
This course provides students with an introduction to the underlying principles and the fundamentals of quality management and improvement in the delivery of healthcare. An emphasis is placed on literacy and awareness of the concepts, topics and practices needed to address quality improvement challenges in complex healthcare systems.

HSA 4394  Advanced Topics in Healthcare Information Technology
3 sh (may not be repeated for credit)
This online course serves as an introduction to health information technology. This course provides a basic overview of computer architecture; data organization, representation and structure; and the fundamentals of data communication. This course also covers a large breadth of terminology used in the computer industry. Offered concurrently with HSA 5196; 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.
### University of West Florida - Undergraduate

#### 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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

#### HSA 4941 Internship in Healthcare Administration
3 sh (may not be repeated for credit)

This internship experience will provide students with hands-on experience in the healthcare industry and exposure to key elements in this environment. Emphasis will be placed on skills in the following fields: healthcare administration, public health administration, and allied health. Focus will be placed on professional development and preparation of the student for the workforce. Approval of instructor.

#### 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 5196 Advanced Topics in Healthcare Information Technology
3 sh (may not be repeated for credit)

This online course serves as an introduction to health information technology. This course provides a basic overview of computer architecture; data organization, representation and structure; and the fundamentals of data communication. This course also covers a large breadth of terminology used in the computer industry. Offered concurrently with HSA 4394. 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 4394; 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 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

#### HSA 6103 Health Services Administration
3 sh (may not be repeated for credit)

This course will introduce essential concepts and developing trends in health services administration which are applicable in professional practice and provide a baseline for further study.

#### HSA 6175 Healthcare Finance
3 sh (may not be repeated for credit)

This course focuses on the application of finance theory, principles, and concepts to healthcare organizations. Topics covered also include the healthcare environment, long term financing, and capital investment decisions in the healthcare industry.

#### HSA 6197 Health Informatics
3 sh (may not be repeated for credit)

This course discussed the the multifaceted, interdisciplinary nature of health informatics. Topics covered include: 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.

#### 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 6425 Legal Fundamentals of Healthcare
3 sh (may not be repeated for credit)

An overview of the laws most affecting the provision of healthcare and public health practices. The legal basis for government involvement in health is examined. It will address the government regulation of healthcare, liability, provider duties, professional licensing, licensing enforcement, health records, false claims, fraud and abuse, public health, health ethics, informed consent, negligence, and the legal basis for hospital governance.

#### HSA 6436 Health Economics
3 sh (may not be repeated for credit)

This course covers the role of prices, the production of health, the demand for healthcare, the demand for health insurance, the health insurance market, managed care, physicians' services market, cost of healthcare in hospitals and long term care facilities, pharmaceuticals, cost effectiveness analysis, role of government, international comparisons, Medicaid and Medicare, and insurance reform.

#### 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. Credit may not be received in both HSA 6521 and HSA 6106.

#### HSA 6752 Quantitative Foundations and Data Analysis for Health Admin
3 sh (may not be repeated for credit)

This course will introduce the methods for description and analysis which provide healthcare professionals with useful tools for making sense from data. The course will cover how healthcare data is dependent on analysis, categorization, and management.
HSA 6944  Internship in Health Administration  
3 sh (may not be repeated for credit)  
An internship in a healthcare setting. Under supervision, students will work on a problem related to management, development or administration in healthcare. Graded on a satisfactory / unsatisfactory basis only. Permission is required.

**HSC-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 2130  Sex & Booze: A Peer Health Education Course  
3 sh (may not be repeated for credit)  
Educates and trains students in assessing college life health issues and experiences among peers utilizing an active learning approach in order to educate college students on issues such as peer education, leadership, alcohol misuse/abuse prevention, sexual assault prevention, healthy relationships, and sexual health responsibility. Participation in the course will equip students with vital knowledge and skills needed for their experience as, and interactions with, college students. Students should also expand their abilities for developing and providing useful presentations and expertise in offering feedback and resources for issues affecting UWF peers. The material will help to build a team environment and leadership skills.

HSC 2577  Principles of Nutrition  
3 sh (may not be repeated for credit)  
The fundamentals of nutrition are explored, emphasizing the biochemical and physiological mechanisms of digestion, absorption, metabolic pathways, energy requirements, and nutritional status. It provides students with an understanding of nutrients and their roles in the body while examining current issues in food science. An emphasis is placed on promotion of growth and health by examining weight control, disease prevention, food safety, and planning a healthy diet.

HSC 2622  Introduction to Global Health Sciences  
3 sh (may not be repeated for credit)  
This health sciences course considers the influence of factors such as access to healthcare, biology, infectious diseases, societal status, culture, the environment, and the management of healthcare resources, on the well-being of people around the globe. The course will also examine the role of equity, social justice, and ethics in healthcare. Case studies demonstrating how various actors have cooperated across national borders to solve problems like pandemics, healthcare access challenges and disease eradication will be analyzed. Students will integrate ideas from different disciplines to identify problems affecting society in the international context. Meets Multicultural Requirement.

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  Current Issues in the Health Sciences  
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. This course will provide an overview of the field of health sciences.

HSC 3147  Pharmacology for Health Professionals  
3 sh (may not be repeated for credit)  
This course will focus on the general principles of drug action and pharmacology of therapeutic agents. The general principles of pharmacology, including drug absorption, distribution and metabolism along with receptor theory will be covered. The course will also focus on mechanism of action of specific drug classes and their effective use in different diseases.

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. Material and supply fee will be assessed.

HSC 3510  Data Analysis in the Health Sciences  
3 sh (may not be repeated for credit)  
Prerequisite: STA 2023  
This course focuses on the application of computer technology and software in conducting analysis of data, including how to retrieve, clean, organize, and analyze data using computational methods, as well as report findings using existing general purpose software. Additionally, students will acquire skills in data presentation through using tables, charts, and written reports. All students must complete STA 2023 or equivalent prior to taking HSC 3510.

HSC 3535  Medical Terminology  
3 sh (may not be repeated for credit)  
This course is designed to familiarize students with the 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. An emphasis is placed on word dissection of compound medical terms and inferring word meanings from their prefixes, suffixes, and stem words. Credit may not be received in both HSC 3535 and HSC 3534.

HSC 3555  Pathophysiology  
3 sh (may not be repeated for credit)  
Prerequisite: (BSC 1085 AND BSC 1086) OR PCB 4703 OR PCB 3097/L OR PCB 4098/L  
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.

HSC 3905  Directed Study  
1-12 sh (may not be repeated indefinitely for credit)
This capstone course will focus on contemporary research in the health sciences. The course will cover topics such as the scientific method, research study designs, critical evaluation of the literature, technical writing, research ethics, data collection, and analysis. As part of an ongoing semester project, students will design a research proposal on a specific topic in health. A capstone exam will be given.

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. Material and Supply Fee will be assessed.

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. Permission is required.

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 4502  Principles of Human Disease
3 sh (may not be repeated for credit)
Prerequisite: PCB 4703 OR (BSC 1085 AND BSC 1086)
The course introduces students to the mechanisms of human disease, disease etiology, symptoms, diagnosis, treatments, prognosis and epidemiology. Diseases and disorders of each of the body?s systems will be covered. Special attention will be paid to disease prevention.

HSC 4511  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)
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, physiology, or biology are highly recommended. Material and Supply Fee will be assessed.

HSC 4581  Health Promotion and Planning
3 sh (may not be repeated for credit)
Practical application of theory, models, principles, and practices of health promotion, planning, and implementation. Experiential activity includes creating a health promotion program incorporating: developing and administering a needs assessment, applying a behavioral and environmental assessment, writing goals and measurable objectives, marketing the program, presenting the health program, evaluating the program.
HSC 4583  Theoretical Foundations of 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 for discussion include health promotion and a framework for planning, social assessment and participatory planning, epidemiological assessment, behavioral and environmental assessment, educational and ecological assessment, administrative 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 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. Credit may not be received in both HSC 4658 and HSC 4654.

HSC 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

HSC 4910  Senior Capstone Experience in Community Health Education
1-6 sh (may not be repeated for credit)
Prerequisite: HSC 4581
This capstone experience for Community Health Education majors provides opportunities for students to put theory into practice through active participation and class participation. Students are supervised by practitioners in a community health education. Departmental permission will be required.

HSC 4940  Internship
1-6 sh (may not be repeated for 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 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 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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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. Credit may not be received in both HSC 6012 and HSC 6000.

HSC 6037  Philosophical Foundations of Health Education
3 sh (may not be repeated for credit)
High-order philosophical, ethical, and theoretical foundations of the professional practice of health education are explored. Students will be expected to develop their own philosophical, ethical and theoretical approach(es) to the field after becoming familiar with the peer-reviewed literature related to the health education.

HSC 6135  Health Guidance and Cultural Competency
3 sh (may not be repeated for credit)
The course examines the roles of health educators, health administrators, and other health professionals in providing culturally competent health guidance to consumers of health care. The course provides insight into the history of health care, examination of the culture?fs role in health and healing, current issues, and challenges facing health care in contemporary society. Students will be challenged to integrate research and theory of health communication as they apply concepts related to health communication and cultural competency.

HSC 6206  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 6226  Current Issues in Worksite Wellness
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 6576  Nutrition Across the Life Cycle  
3 sh (may not be repeated for credit) 
Nutritional health needs across the life cycle, from preconception to later years are covered. Course emphasizes the critical analysis of each stage of life on nutrition intake, how to meet nutritional needs, and the impact of SES, psychological, and physiological factors on food intake, nutritional status and well being.

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.

HSC 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

HUM-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 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

IDH-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 Education course. The General Education 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. This course has been approved as meeting your requirement in the Literature area. The major General Education learning outcomes for this course are Analysis / Evaluation, Information Literacy, and Writing. Offered Fall Semester only. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement.

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. In Honors Core 2, students will explore the philosophical underpinnings of community and investigate the distinctive features of Western and Eastern notions of communal life. This foundation will prepare students to address those features of modern society that threaten community. Specific attention will be given to various threats to community, including radicalism and globalization, mass society and suburban sprawl, lawlessness and violence, technology and social networking, and economic arrangements and collective action problems. Students then will consider the ways in which citizens can benefit from engaging their communities of interest, can foster more meaningful civic life, and can provide leadership to build a better future. Honors Core 2 is designated as a General Education course. The General Education 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. This course has been approved as meeting your requirement in the Social Science, Socio-Political Perspectives area. The major General Education learning outcomes for this course are Analysis / Evaluation, Information Literacy, Team Work Skills, and Service Learning / Civic Engagement. Offered Spring Semester only. Satisfies UWF Breadth requirement in Social Sciences. Meets Multicultural Requirement.

IDH 2905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)
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. Each week, we will address one important step in the thesis process, starting with the question, “What is a thesis?” and finishing with the submission of a completed thesis prospectus and annotated bibliography (aka a literature review) of sources relevant to the student's chosen topic. Along the way, we will cover important areas such as choosing a topic, approaching an advisor, scholarly research methods, time management, and thesis presentation requirements. 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. Department Permission required. Offered Spring only.

IDH 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

IDH 4030  Honors Seminar: Topic I  
3 sh (may be repeated for up to 12,000 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 12,000 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 12,000 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 12,000 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 12,000 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 12,000 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 12,000 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 12,000 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 4038  Honors Seminar: Topic IX  
3 sh (may be repeated for up to 12,000 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 4039  Honors Seminar: Topics X  
3 sh (may be repeated for up to 12,000 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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

IDH 4915  Honors Research Project  
1-3 sh (may be repeated for up to 6,000 sh of credit)  
Directed research / creative activity under the supervision of a faculty sponsor. Project description must be submitted to and approved by the Director of the Honors Program prior to enrollment in the course. Open to Honors students only. Graded on satisfactory / unsatisfactory basis only.

IDH 4970  Honors Thesis  
1-6 sh (may be repeated for up to 6,000 sh of credit)  
Capstone project for University Honors Program. Formal presentation of research / creative activity. Open to Honors students only. Graded on satisfactory / unsatisfactory basis only. Permission is required.

IHS-Interdis Health Science Courses

INP-Industrial Applied Psych 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 either MAN 3240. MAN 3025 or equivalent is suggested prior to taking this course, but not required.

INP 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

INP 4112  Military Psychology  
3 sh (may not be repeated for credit)  
The course focuses on uses of human factors, industrial-organizational, social and clinical psychology in various military settings to promote the behavioral health of service members and families, performance of individuals and teams, and success in military operations. We will treat the study and practice of psychology in the military as a means for gaining useful insights about human behavior. The course is intended to provide students an orientation to areas they may pursue for greater knowledge and/or employment in military psychology settings. This is a seminar course and as such is expected to be highly interactive and a chance for students to share what they have learned from researching individual topics.  

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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
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 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
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 6325  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)  
Students must take MAN 3025 or PSY 2012 or SOP 3004 before enrolling in this course. 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 6158.  

INP 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
INP 6944  Practicum in Industrial Psychology  
1-3 sh (may be repeated for up to 6.000 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.  

INR-International Relations Courses  

INR 2002  International Politics  
3 sh (may not be repeated for credit)  
INR 3073 Analyzing Issues in International Politics
3 sh (may not be repeated for credit)
This course examines several key contemporary issues in international politics. The course has both a theoretical and an applied component, with emphasis on readings to build concepts and empirical understanding combined with application through discussion and exercises designed to engage students in qualitative and quantitative analysis of these topics. For the applied component, the course approaches contemporary topics by employing the tools of political science research, including data interpretation in visual form such as charts and graphs, statistics, and models.

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 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 4060 Causes of War
3 sh (may not be repeated for credit)
This course will examine the causes and evolution of war. Drawing widely from new and established scholarship, it addresses several major topics: war's origins and evolution; theories about the causes and nature of war; arguments for a contemporary world of "new wars;" and theories about the future of war. Along the way, the course analyzes several very different international conflicts, World War I, the Cold War and the recent Iraq War. Specific issues addressed amidst these major themes include war and the state; structural and psychological explanations for war; terrorism and irregular war; and the moral/ethical dimensions of war.

INR 4102 American Foreign Policy
3 sh (may not be repeated for credit)
Americans seek to change the world and remain distinct from it. They energetically export their religious views, yet they officially support secularism. Americans denounce imperialism and coercion, yet they are accused of building a global empire and wielding astounding military power. And above all these tensions, Americans exert unparalleled influence and power in a globalized, increasingly democratic world that they helped create, yet they fret about relative decline and entertain plans for retrenchment and isolation. This course, therefore, seeks to analyze how Americans view and pursue their relationship with the world as well as the foundations and conduct of their foreign policy. It considers the institutions and offices, interests and political culture, and international challenges (including security, economic and humanitarian issues) that shape American foreign policy outcomes. To understand these influences, our readings, lecture and discussion will combine scholarly theories and policy perspectives. We will especially focus on debates regarding America's role as a global leader. Course is offered concurrently with INR 5105; 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 4314 Grand Strategy in International Relations
3 sh (may not be repeated for credit)
This course evaluates the historical, philosophical and scientific dimensions of grand strategy. As a topic, "grand strategy" refers to the link between a state's goals and capabilities. It is how states understand and pursue their perceived interests and roles in the world. Understanding grand strategies offers an essential tool to evaluate states' foreign policies as well as the international system in which they operate. The course works through several historical and contemporary case studies of great and mid-level powers, such as Russia, China and the United States. It considers grand strategy's institutional, cultural and external sources, and it apprises the normative or ethical goals of grand strategy. Throughout these case studies, students will also engage major theories, and they will interrogate key issues such as economic integration, nonproliferation, diplomatic agendas, conflict and cybersecurity. This course is offered concurrently with INR 5316; graduate students will have 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 5330; graduate students will be assigned additional work.
INR 4364  Intelligence
3 sh (may not be repeated for credit)
Covers the origins, missions, functions, and responsibilities of the US security agencies as well as the relationship of the intelligence community with key policy makers and overseers such as the President, National Security Council, the Congress, judiciary, media, and public opinion. Offered concurrently with INR 5365; graduate students will be assigned additional work.

INR 4403  International Law
3 sh (may not be repeated for credit)
Nature, history and trends of legal controls on international behavior; conflict between theory and practice; cases will be used to illustrate various points of law.

INR 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
INR 5065  Causes of War
3 sh (may not be repeated for credit)
This course will examine the causes and evolution of war. Drawing widely from new and established scholarship, it addresses several major topics: war?'s origins and evolution; theories about the causes and nature of war; arguments for a contemporary world of ?new wars;? and theories about the future of war. Along the way, the course analyzes several very different international conflicts, World War I, the Cold War and the recent Iraq War. Specific issues addressed amidst these major themes include war and the state; structural and psychological explanations for war; terrorism and irregular war; and the moral/ethical dimensions of war. Offered concurrently with INR 4060; graduate students will have additional work.

INR 5105  American Foreign Policy
3 sh (may not be repeated for credit)
 Americans seek to change the world and remain distinct from it. They energetically export their religious views, yet they officially support secularism. Americans denounce imperialism and coercion, yet they are accused of building a global empire and wielding astounding military power. And above all these tensions, Americans exert unparalleled influence and power in a globalized, increasingly democratic world that they helped create, yet they fret about relative decline and entertain plans for retribution and isolation. This course, therefore, seeks to analyze how Americans view and pursue their relationship with the world as well as the foundations and conduct of their foreign policy. It considers the institutions and offices, interests and political culture, and international challenges (including security, economic and humanitarian issues) that shape American foreign policy outcomes. To understand these influences, our readings, lecture and discussion will combine scholarly theories and policy perspectives. We will especially focus on debates regarding America's role as a global leader. Offered concurrently with INR 4102; 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 national 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 5316  Grand Strategy in International Relations
3 sh (may not be repeated for credit)
This course evaluates the historical, philosophical and scientific dimensions of grand strategy. As a topic, grand strategy refers to the link between a state's goals and capabilities. It is how states understand and pursue their perceived interests and roles in the world. Understanding grand strategies offers an essential tool to evaluate states' foreign policies as well as the international system in which they operate. The course works through several historical and contemporary case studies of great and mid-level powers, such as Russia, China and the United States. It considers grand strategy's institutional, cultural and external sources, and it appraises the normative or ethical goals of grand strategy. Throughout these case studies, students will also engage major theories, and they will interrogate key issues such as economic integration, nonproliferation, diplomatic agendas, conflict and cybersecurity. This course is offered concurrently with INR 4314; graduate students will have 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.

INR 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

INS-International Studies Courses

INS 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
ISC-Interdisciplinary Sciences Courses

ISC 5517  Buddhist Psychology
2 sh (may not be repeated for credit)
Psychological overview of Buddhist theory and practice as they relate
to everyday living, clinical practice and personal and transpersonal
growth. Drawing from Theravada, Mahayana, Tantra and Zen, topics
include four noble truths, suffering, concentration, jhanas, dependent
origination, attachments, mindfulness, vipassana, nature of self,
consciousness, compassion, insight, freedom, and enlightenment.

ISC 5517L  Buddhist Psychology Lab
1 sh (may not be repeated for credit)
Students learn and practice different types of meditation to cultivate
concentration and mindfulness during meditation and daily living.
Construction of a personal mandala and regular class attendance and
participation are required.

ISC 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ISM-Information Systems Mgmt Courses

ISM 3011  e-Business Systems Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 hours of college course work is required
prior to taking this course.
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.

ISM 3116  Business Intelligence Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
Business Intelligence Fundamentals uses spreadsheets to identify
trends and relationships in business data and how to apply them in a
business environment. The focus of the course is on the managerial
application of the results rather than the algorithmic derivation of the
results.

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 an object-
oriented programming language 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 OR COP 2253
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 4113  Business Systems Design
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
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 4114  Business Information Systems Development
3 sh (may not be repeated for credit)
Prerequisite: ISM 4113
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 4117  Business Intelligence Applications
3 sh (may not be repeated for credit)
Prerequisite: ISM 3116 OR ISM 4481 OR COP 4710
Business Intelligence Applications uses various information
technologies to identify, locate, acquire, transform, visualize and
analyze business data in an effort to create new data products
within an organizational context. The focus of the course is on using
methodologies from design science to create new data products
for management use in decision making. Offered concurrently with
ISM 5404; graduate students will be assigned additional work.

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 4320  Legal, Ethical, and Human Aspects of Cybersecurity
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
This course address the human facets of cybersecurity. Coverage
will include ethics, legal and regulatory environment, psychology,
and hacker culture. The focus will be on the human element and the
motivation and deterrence of cyber-crimes. Offered concurrently with
ISM 5327; graduate students will be assigned additional work.

ISM 4321  Cybersecurity Risk Management
3 sh (may not be repeated for credit)
Prerequisite: ISM 3011
The course focuses on the application of risk management theory
and principles to information security policy. An additional major area
of focus is incident response and contingency planning consisting of
incident response planning, disaster recovery planning, and business
continuity planning. Offered concurrently with ISM 5328; graduate
students will be assigned additional work.
ISM 4400 Decision Support and Data Integration Systems  
3 sh (may not be repeated for credit)  
Prerequisite: ISM 3011 AND ISM 3235  
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 Business Data Management  
3 sh (may not be repeated for credit)  
Prerequisite: ISM 3011  
Explores the complexities of data management in the digital world of big data. Uses advanced information technology and software tools to analyze data and create business intelligence. Offered concurrently with ISM 5208; graduate students will be assigned additional work.

ISM 4483 Business Data Communication  
3 sh (may not be repeated for credit)  
Prerequisite: ISM 3011  
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 required to support end-to-end, partner-to-partner electronic business processes. Additionally, the course provides an overview of basic network management and security concepts. Offered concurrently with ISM 5222; graduate students will be assigned additional work.

ISM 4905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
ISM 4943 Internship in Management Information Systems  
1-3 sh (may not be repeated for credit)  
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 5208 Business Data Management  
3 sh (may not be repeated for credit)  
Explores the complexities of data management in the digital world of big data. Uses advanced information technology and software tools to analyze data and create business intelligence. Offered concurrently with ISM 4481; graduate students will be assigned additional work. Graduate student status is required.

ISM 5222 Business Data Communication  
3 sh (may not be repeated for credit)  
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 required to support end-to-end, partner-to-partner electronic business processes. Additionally, the course provides an overview of basic network management and security concepts. Offered concurrently with ISM 4483; graduate students will be assigned additional work. Graduate student status is required.

ISM 5327 Legal, Ethical, and Human Aspects of Cybersecurity  
3 sh (may not be repeated for credit)  
This course addresses the human facets of cybersecurity. Coverage will include ethics, legal and regulatory environment, psychology, and hacker culture. The focus will be on the human element and the motivation and deterrence of cyber-crimes. Offered concurrently with ISM 4320; graduate students will be assigned additional work. Graduate student status is required.

ISM 5328 Cybersecurity Risk Management  
3 sh (may not be repeated for credit)  
The course focuses on the application of risk management theory and principles to information security policy. An additional major area of focus is incident response and contingency planning consisting of incident response planning, disaster recovery planning, and business continuity planning. Offered concurrently with ISM 4321; graduate students will be assigned additional work. Graduate student status is required.

ISM 5404 Business Intelligence Applications  
3 sh (may not be repeated for credit)  
Business Intelligence Applications uses various information technologies to identify, locate, acquire, transform, visualize, and analyze business data in an effort to create new data products within an organizational context. The focus of the course is on using methodologies from design science to create new data products for management use in decision making. Offered concurrently with ISM 4117; graduate students will be assigned additional work. Graduate student status is required.

ISM 5905 Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
ISM 6026 Management of Information Systems and Technology  
3 sh (may not be repeated for credit)  
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.

ISM 6135 Big Data Mining: A Managerial Perspective  
3 sh (may not be repeated for credit)  
Prerequisite: QMB 6305  
Covers the new management paradigm of data-driven decision making from both a technology and managerial perspective. Principles of big data and data mining will be discussed in class lectures and employed through assignments and projects.

ISM 6137 Business Analytics  
3 sh (may not be repeated for credit)  
Prerequisite: QMB 6305  
This course focuses on development of quantitative and analytical skills required to model, analyze, interpret and solve managerial decision making problems.
ISM 6326  Information Systems Auditing and Control
3 sh (may not be repeated for credit)
Focuses on the role of management in controlling information technology and understanding the risks of a highly interconnected business environment. Topics include information security; contingency planning; desktop computer controls; systems development controls; computer center operation controls; and assurance of information related to on-line, client-server, web-based, internet, cloud computing, virtualization and other advanced computer topics. This course will cover all the topic areas and prepare the student to take the Certified Information Systems Auditor (CISA) exam.
ISM 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

JAP-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 1905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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.
JPN 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
JPN 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

JOU-Journalism Courses

JOU 3100  News Reporting
3 sh (may not be repeated for credit)
Prerequisite: COM 2713 AND ENC 1101 AND ENC 1102
This course will serve as an introduction to the world of news reporting, both print and online. Students will get a taste of what journalists do daily: generate story ideas, develop sources, conduct interviews, write, edit, rewrite and edit again. The course also will provide an overview of media law, media ethics and Associated Press style.
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 3370  Issues in Journalism
3 sh (may be repeated for up to 90.000 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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
JOU 3940  Practicum: Voyager
3 sh (may be repeated for up to 6.000 sh of credit)
Prerequisite: JOU 2100
Experience in preparing news, opinion and feature material for publication in the student newspaper. Permission is required.
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, cutline writing, news judgment and photo display. Use of standard reference books.

JOU 4213  Newspaper Design
3 sh (may not be repeated for credit)

Principles and practices in newspaper layout and design. Credit may not be received in both JOU 4213 and JOU 4211.

JOU 4306  Writing Critical Reviews
3 sh (may not be repeated for credit)

Devoted to writing reviews of books, film, art, and music. Meets Gordon Rule Writing Requirement.

JOU 4308  Magazine Writing
3 sh (may not be repeated for credit)

Principles and practices in the art of writing for magazines. Focuses on in-depth reporting and refined focus for the magazine market. Meets Gordon Rule Writing Requirement.

JOU 4445  Magazine Publishing
3 sh (may not be repeated for credit)

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. Permission is required.

JOU 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 paid 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.

JOU 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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JST-Jewish/Judaic Studies Courses

LAE-Lang Arts English Ed Courses

LAE 3314  Literacy for the Emergent Learner
3 sh (may not be repeated for credit)

This course introduces pre-service teachers to the development of early literacy from birth through the primary grades. It focuses on the development of language skills, phonological awareness, word identification, fluency, and comprehension. Students will examine theories of early literacy development along with effective practices for instructing young children. This course meets the requirements for competency 1 of Florida's Reading Endorsement.

LAE 3324  Teaching Language Arts in the Middle and Secondary Schools
3 sh (may not be repeated for credit)

This course is designed to assist pre-service teachers in utilizing researched-based theory and methods in implementing a dynamic and successful literacy program in the middle/secondary classroom. Emphasis is placed upon provision of a balance between expressive and practical composition opportunities for students and upon instructional procedures to assist pupils in developing the strategies and skills that support effective written and verbal communication.

LAE 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

LAE 5345  Teaching Pupils to be Effective Writers
3 sh (may not be repeated for credit)

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.

LAE 5468  Literature for Children and Young Adults
3 sh (may not be repeated for credit)

Comprehensive survey of literature for children and young adults. Critical analysis and review of the writings of authors and illustrators and how to effectively use their materials in instructional settings. Evaluation and selection of materials based upon the biological, socio-cultural, psychological and developmental characteristics of children and young adults; guidance in their use, emphasizing attitudes, interests, problems, and opportunities of children and young adults in contemporary society. Evaluation, selection, and use of both print and nonprint materials for children; impact of mass media on children and young adults in our society; analysis of attitudes, issues and values reflected in these media and their use in educational settings.

LAE 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
LAE 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**LAH-Latin American History Courses**

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.

LAH 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
LAH 6476  Colonial Caribbean
3 sh (may not be repeated for credit)
This class introduces students to the colonial Caribbean as a historically unique region. It begins in 1492 with contact and ends with the emancipation of 1833. We will move rapidly through the century of Spanish hegemony before turning to the British islands as they evolved from frontiers to mature plantation societies. Students will evaluate scholarship and sources in the classroom and in major research projects.

LAH 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**LAT-Latin (Language Study) Courses**

LAT 1120C  Latin I
4 sh (may not be repeated for credit)
Latin I introduces students to the fundamentals of the Latin language and provides the basic skills for reading and translating Latin poetry and prose. It also exposes students to the language, culture and history of the Romans. Students will master the vocabulary, morphology, and syntax and practice in the fluid translation of Latin to English and English to Latin. In addition to the three hours of scheduled classroom time, students are required to do one hour of laboratory work per week.

**LEI-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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
LEI 4321  Sport, Adventure and Ecotourism
3 sh (may not be repeated for credit)
Prerequisite: HFT 2000; Completion of 60 hours of college course work is required prior to taking this course.

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: HFT 3003; Completion of 60 hours of college course work is required prior to taking this course.
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. Material and supply fee will be assessed.

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
LEI 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
LEI 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**LIN-Linguistics Courses**

LIN 3673  Grammar for Professional Success
3 sh (may not be repeated for credit)
An upper-division grammar class which focuses on the principles and conventions of writing. The purpose of this course is twofold: to review the regulatory rules of writing so that students can write responsibly by controlling and editing their own work; and to offer students the language choices available to them as speakers and writers of American English: language choices for informal conversations and texting, for instance, versus language choices for academic, business, and other forms of published writing. Because acceptable professional communication is different from some "acceptable" forms of digital communication, the course makes overt distinctions between the two. Whether your goal is to improve your writing, review the mechanics of writing, become a professional editor, or to learn enough grammar to teach it, this course will give you the kind of knowledge about the English language that most educated members of our society share.

The principal goal of Practical Grammar is to offer students a review of the principles and rules of standard American English so that they can edit their own documents. As William Strunk, Jr. says in The Elements of Style, "One must first know the rules [of grammar] to break them."
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.

LIN 3905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIN 5905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIN 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)

**LIS-Library Info Studies Courses**

LIS 4905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIS 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)

**LIT-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. Meets Gordon Rule Writing Requirement.

LIT 1905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIT 2000   Introduction to Literature  
3 sh (may not be repeated for credit)  
This course is designed for students from all majors who are interested  
in learning more about reading literature at the college level. A wide  
range of literary works are examined, with an emphasis on exposing  
students to as many genres as possible. Critical thinking and writing  
skills are also emphasized. Students considering a major in English  
or who enjoy reading good books are encouraged to take this course.  
Satisfies Florida Common Core Humanities requirement. Meets  

LIT 2905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIT 3084   Modern Prose Fiction  
3 sh (may not be repeated for credit)  
Selected prose fiction of 20th century and related criticism.

LIT 3191   World Literature  
3 sh (may not be repeated for credit)  
Covers a range of topics focusing on non-U.S. literatures. Texts vary  
each semester according to interest and expertise of the instructor.

LIT 3233   Postcolonial Literature  
3 sh (may not be repeated for credit)  
Examines world literature produced in the context of colonialism and  
subsequent movements for independence. Links the study of literature  
to the political, psychological and cultural effects of imperialism and  
globalization. Specific topics vary according to faculty expertise and  
research interests. Meets Multicultural Requirement.

LIT 3463   Literature and Visual Studies  
3 sh (may not be repeated for credit)  
Examines literature in the context of film, the visual arts, and emerging  
new media. Emphasis on twentieth century and contemporary literary  
and aesthetic movements.

LIT 3905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIT 4013   The Novel  
3 sh (may not be repeated for credit)  
The novel as a genre; exploration of the techniques of narrative,  
characterization, point of view, voice, reflexivity and others. May  
include texts from diverse national origins.

LIT 4385   Feminist Theory  
3 sh (may not be repeated for credit)  
This course offers focused study of both the history of feminist theory  
and contemporary developments in feminist theory. The course will  
cover both pre-modern ("proto") and modern ("first-wave") feminist  
works by women as well as explore contemporary ("second" and "third-  
wave") feminist theory. Specific course readings will vary from year to  
year. Meets Multicultural Requirement.

LIT 4905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIT 5018   Topics in Fiction  
3 sh (may be repeated for up to 12.000 sh of credit)  
Special topics in fiction. Topics change each term. See department or  
instructor for specific topic.

LIT 5037   Topics in Poetry  
3 sh (may be repeated for up to 12.000 sh of credit)  
Special topics in poetry.

LIT 5105   Topics in World Literature  
3 sh (may be repeated for up to 12.000 sh of credit)  
Generic or thematic topics involving more than one national literature.

LIT 5556   Feminist Theory  
3 sh (may not be repeated for credit)  
This course offers focused study of both the history of feminist theory  
and contemporary developments in feminist theory. The course will  
cover both pre-modern ("proto") and modern ("first-wave") feminist  
works by women as well as explore contemporary ("second" and "third-  
wave") feminist theory. Specific course readings will vary from year to  
year.

LIT 5905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)
LIT 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)

**MAA-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. Meets  
Gordon Rule Theoretical Mathematics Requirement.
MAA 4212  Advanced Topics in Multi-Variable Calculus
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313


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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAC 2233  Calculus with Business Applications
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 OR MAC 1140

a classical real analysis course begins with a typological study of the real number line and includes the Holder and Minkowski 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. Students are expected to have been exposed to rigorous discussions of limits, continuity, differentiability, Riemann integrals, and basic concepts of point set topology on the real line.

MAA 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAC 6306  Real Analysis
3 sh (may not be repeated for credit)

Several advanced topics in the theory of complex variables are covered including analytic functions, harmonic functions, Cauchy's theorem and integral formula, maximum modulus principle, Laurent series, singularities, and the residue theorem. The course objective is to present in a rigorous manner the parts of the theory that are prominent in applications of the subject.

MAC 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAC-Mathematics:Calc Precalc Courses

MAC 1105  College Algebra
3 sh (may not be repeated for credit)
Prerequisite: MAT 1033 OR 123 PERT Math OR 22 ACT Math OR 520 SAT Math OR 083 CPT Elemen. Algebra

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. Satisfies Florida Common Core Mathematics requirement. Meets Gordon Rule Theoretical Mathematics Requirement.

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. Satisfies UWF Breadth requirement in Mathematics. Meets Gordon Rule Theoretical Mathematics Requirement.

MAC 1140  Precalculus Algebra
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 OR MAC 1114* OR 123 PERT Math OR 22 ACT Math OR 520 SAT Math OR 083 CPT Elemen. Algebra

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. Satisfies UWF Breadth requirement in Mathematics. Meets Gordon Rule Theoretical Mathematics Requirement.

MAC 1905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAC 2233  Calculus with Business Applications
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 OR MAC 1114 OR MAC 1140

MAC 2311  Analytic Geometry and Calculus I
4 sh (may not be repeated for credit)
Prerequisite: MAC 1114 AND MAC 1140

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. Satisfies UWF Breadth requirement in Mathematics.
Meets Gordon Rule Theoretical Mathematics Requirement.

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.

MAC 2905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAC 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAC 3949 Cooperative Education
1-2 sh (may be repeated for up to 4.000 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.

MAC 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

* This course may be taken prior to or during the same term.

**MAD-Mathematics: Discrete Courses**

MAD 3107 Discrete Mathematics and Applications
3 sh (may not be repeated for credit)
Prerequisite: 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.

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. Meets Gordon Rule
Theoretical Mathematics Requirement.

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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAD 5305 Graphs and Their Applications
3 sh (may not be repeated for credit)
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, planar graphs, graph models, and applications. Offered concurrently with
MAD 4310; graduate students will be assigned additional work.

MAD 5608 Coding Theory
3 sh (may not be repeated for credit)
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 4605; graduate students will be assigned additional work.

MAD 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAD 6405 Numerical Analysis I
3 sh (may not be repeated for credit)
Theoretical treatment of numerical methods of linear algebra
supplemented with use of computers; polynomial approximations,
uniform approximations, least square approximations, error analysis for
numerical solutions of linear equations, algebraic eigenvalue problems.

* This course may be taken prior to or during the same term.

**MAE-Mathematics: Education Courses**

MAE 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAE 4310 Teaching Mathematics in the Elementary School
3 sh (may not be repeated for credit)
This course is a requirement for the elementary education teacher
preparation program. The course is designed to provide students
with the methodology requisite to effective mathematics teaching in
elementary school classrooms. The coursework centers on utilizing
mathematics content knowledge and process skills in the development
of effective instructional strategies for the elementary level learners.
This course addresses the Next Generation Sunshine State Standards
(Common Core State Standards for Mathematics) within lesson
planning assignments. Material and supply fee will be assessed.
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; explores current research on approaches in teaching and learning mathematics; examines the practice of mathematics, disciplinary core ideas in mathematics, and crosscutting themes in mathematics; compares various models of teaching (i.e. direct instruction, inquiry, project-based learning); includes practices to effectively move student thinking toward meaningful understanding focusing on best practices in STEM disciplines.

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 5658; graduate students will be assigned additional work.

MAE 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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. Material and Supply fee will be assessed.

MAE 6361  Teaching Mathematics in Middle Level and Secondary Education
3 sh (may not be repeated for credit)
Prerequisite: 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. Credit may not be earned in both MAE 6360 and MAE 6361. Material and Supply fee will be assessed.

MAE 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
* This course may be taken prior to or during the same term.

**MAN-Management Courses**

MAN 3025  Management Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 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 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 INP 3313.

MAN 3301  Human Resources 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.
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: MAC 2233 AND MAN 3025
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. Credit can only be earned for one of these three courses: MAN 3540, MAN 3550 and ISM 3XX1.

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 AND ECO 2023 AND 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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MAN 3949  Cooperative Education
1-2 sh (may be repeated for up to 4,000 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)
Prerequisite: Completion of 60 hours of college course work is required prior to taking this course.

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 4280  Business Leadership and Change Management
3 sh (may not be repeated for credit)
Prerequisite: Completion of 60 hours of college course work is required prior to taking this course.

A course on Leadership and Change Management to prepare students to respond to the needs of a dynamic global business climate. Prepares students to take responsibility to work collaboratively with others in developing change management strategies in bringing about change and overcoming resistance.

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 4341  Performance Management
3 sh (may not be repeated for credit)
Prerequisite: MAN 3301

Employees are commonly recognized as an organization’s most valuable resource. Thus, ensuring that employees achieve and maintain their highest performance is one of the most critical managerial responsibilities. This course examines best practices, current trends, legal issues, and research in change management, organizational development, performance management, and training so that students may learn how to effectively manage human capital for optimal performance. Offered concurrently with MAN 5347; graduate students will be assigned additional work.

MAN 4350  Recruitment and Selection
3 sh (may not be repeated for credit)
Prerequisite: MAN 3301

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 best practices, current trends, legal issues, and research on effective recruitment and selection of human capital so that students may learn how to establish and effectively manage staffing systems. Offered concurrently with MAN 5351; graduate students will be assigned additional work. 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 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 4570  Purchasing and Supply Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3202

Students will learn the fundamental concepts of purchasing, negotiation and supply management. Emphasis is placed on strategic sourcing, negotiation, cost management, balanced scorecards, ethics, electronic purchasing, forming supplier partnerships and managing supplier quality. The class will provide strategic understanding for the organizational buyer and challenge students with practical examples of purchasing situations relevant within the supply chain. Offered concurrently with MAN 5573; graduate students will be assigned additional work.

MAN 4597  Global Logistics Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3202

This course explores logistics and supply chain operations from a global perspective. Course material and experiences will focus on import and export processes, port and logistics facility operations, raw material and finished goods movement across borders, and equipment and technology for global logistics. Offered concurrently with MAN 5619; graduate students will be assigned additional work.

MAN 4720  Strategic Management
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403 AND GEB 3213 AND MAN 3025 AND MAN 3504 AND MAR 3023

The capstone course for BSBA in the College of Business offers a culminating experience for students from all majors which involves 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. Must be taken at UWF.
MAN 4750  The Future: Projecting, Planning and Managing
3 sh (may not be repeated for credit)
Prerequisite: GEB 3213
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 AND FIN 3403 AND MAN 3025 AND 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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MAN 4940  Internship in Management
1-6 sh (may not be repeated for credit)
Prerequisite: Completion of 90 hours of college course work is required prior to taking this course.
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. Credit may not be earned in both MAN 5105 and MAN 5116.

MAN 5331  Compensation and Benefits
3 sh (may not be repeated for credit)
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. Graduate student status is required.

MAN 5347  Performance Management
3 sh (may not be repeated for credit)
Employees are commonly recognized as an organization?'s most valuable resource. Thus, ensuring that employees achieve and maintain their highest performance is one of the most critical managerial responsibilities. This course examines best practices, current trends, legal issues, and research in change management, organizational development, performance management, and training so that students may learn how to effectively manage human capital for optimal performance. Offered concurrently with MAN 4341; graduate students will be assigned additional work. Graduate student status is required.

MAN 5351  Recruitment and Selection
3 sh (may not be repeated for credit)
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 best practices, current trends, legal issues, and research on effective recruitment and selection of human capital so that students may learn how to establish and effectively manage staffing systems. Offered concurrently with MAN 4350; graduate students will be assigned additional work. Graduate student status is required.

MAN 5446  Business Negotiation
3 sh (may not be repeated for credit)
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. Graduate student status is required.

MAN 5573  Purchasing and Supply Management
3 sh (may not be repeated for credit)
Students will learn the fundamental concepts of purchasing, negotiation and supply management. Emphasis is placed on strategic sourcing, negotiation, cost management, balanced scorecards, ethics, electronic purchasing, forming supplier partnerships and managing supplier quality. The class will provide strategic understanding for the organizational buyer and challenge students with practical examples of purchasing situations relevant within the supply chain. Must have the equivalent of MAR 3202 Supply Chain Logistics Management, TRA 3153 Transportation Strategy, or MAN 3504 Operations Management. Offered concurrently with MAN 4570; graduate students will be assigned additional work.

MAN 5619  Global Logistics Management
3 sh (may not be repeated for credit)
This course explores logistics and supply chain operations from a global perspective. Course material and experiences will focus on import and export processes, port and logistics facility operations, raw material and finished goods movement across borders, and equipment and technology for global logistics. Must have the equivalent of MAR 3202 Supply Chain Logistics Management, TRA 3153 Transportation Strategy, or MAN 3504 Operations Management. Offered concurrently with MAN 4597; 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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.

MAN 6317  Strategic Issues in Human Resources Management
3 sh (may not be repeated for credit)
Integrates current research, best practices, human resource policy and strategy in order to maximize organizational effectiveness using human capital. Emphasis is placed on applying strategic human resource management principles in order to leverage the workforce to achieve organizational objectives. Case analyses using real business problems are analyzed by integrating the functional areas of human resource management with business strategies, helping students to understand the linkage between theory and practice.

MAN 6511  Operations Management Problems
3 sh (may not be repeated for credit)
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)
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.

MAN 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAP-Mathematics: Applied Courses

MAP 2302  Differential Equations
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313

MAP 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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, Queuing systems, applications to quality control. Offered concurrently with MAP 5116; graduate students will be assigned additional work. Meets Gordon Rule Applied Mathematics Requirement.

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. Offered concurrently with MAP 5345; graduate students will be assigned additional work. Meets Gordon Rule Theoretical Mathematics Requirement.

MAP 5116  Introduction to Stochastic Processes
3 sh (may not be repeated for credit)
General stochastic processes with emphasis on Markov Chains, stationary distribution of Markov Chains, Renewal theory, Branching processes, Queuing 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)
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)
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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAP 6106  Mathematical Methods of Operations Research I
3 sh (may not be repeated for credit)
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)
Interior-point algorithm, linear goal programming, game theory, nonlinear programming, network analysis, PERT / CPM, queuing 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)
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.

MAP 6377   Numerical Analysis of Partial Differential Equations
3 sh (may not be repeated for credit)
Prerequisite: MAD 6405
This course provides a basic foundation in numerical methods for solving partial differential equations.

MAP 6905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAR-Marketing Courses

MAR 3023   Marketing Fundamentals
3 sh (may not be repeated for credit)
Prerequisite: Completion of 45 hours of college course work 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)
Prerequisite: MAR 3023
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) AND (ECO 3003 OR 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 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAR 3914   Retail Strategy
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Prerequisite: 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 4324  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 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. Credit may not be received in both MAR 4412 and MAR 4701.

MAR 4613  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 5616; graduate students will be assigned additional work.

MAR 4721  Digital Marketing
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
This course explores digital marketing in the context of business issues that concern marketers. Topics will include websites, online branding, search marketing, and social media marketing. In addition, the course covers email marketing and marketing analytics.

MAR 4728  High Tech Product Marketing Strategy
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
Emphasizes issues associated with marketing high-technology products in an environment of rapid technological change and ever increasing market demands, and focuses on the strategic decisions related to the development, pricing, distribution, and promotion of technology-based products.

MAR 4803  Marketing Strategy
3 sh (may not be repeated for credit)
Prerequisite: FIN 3403 AND MAR 3503
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 4815  Marketing Management
3 sh (may not be repeated for credit)
Prerequisite: MAR 3023
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.

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 not be received in both MAR 4841 and MAR 4842.

MAR 4905  Directed Study
1-12 sh (may be repeated indefinitely for 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 4941  Marketing Internship
1-6 sh (may not be repeated for 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 5905  Directed Study
1-12 sh (may be repeated indefinitely for 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 6815  Marketing Management
3 sh (may not be repeated for 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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MAS 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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. Meets Gordon Rule Theoretical Mathematics Requirement.

MAS 4203 Number Theory
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202


MAS 4301 Abstract Algebra
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202


MAS 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAS 5145 Matrix Theory
3 sh (may not be repeated for credit)

Canonical forms of matrices, similarity, quadratic forms.

MAT-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.

MAT 1905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAT 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAT 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAT 6903 Mathematics Research 1
3 sh (may not be repeated for credit)

This course will give students the opportunity to engage in group and independent research projects. Research topics and materials vary according to instructor with the thrust being applied or theoretical mathematics. Technical reports and oral presentations will be expected of each student. Students must have completed 15 hours of graduate course work in the program and have maintained at least a 3.0 GPA. Students must also commit to both fall and spring sections of the course.

MAT 6904 Mathematics Research 2
3 sh (may not be repeated for credit)
Prerequisite: MAT 6903

This course will give students the opportunity to engage in group and independent research projects. Research topics and materials vary according to instructor with the thrust being applied or theoretical mathematics. Technical reports and oral presentations will be expected of each student.

MAT 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 8.000 sh of credit)
Graded on satisfactory / unsatisfactory basis only. Permission is required.
MCB-Microbiology Courses

MCB 1000  Fundamentals of Microbiology
3 sh (may not be repeated for credit)
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. Satisfies UWF Breadth requirement in Natural Sciences.

MCB 1000L  Fundamentals of Microbiology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: 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.

MCB 3020  Microbiology
3 sh (may not be repeated for credit)
Prerequisite: (BSC 2011/L OR (BSC 1085/L AND BSC 1086/L)) AND (CHM 2210)
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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.

MCB 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MGF-Math: General 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. Satisfies Florida Common Core Mathematics requirement. Meets Gordon Rule Theoretical Mathematics Requirement.

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. Satisfies Florida Common Core Mathematics requirement. Meets Gordon Rule Theoretical Mathematics Requirement.

MHF-Math: Hist Foundations Courses

MHF 3202  Set Theory and Mathematical Logic
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312*

MHF 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MHF 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MHF 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MHF-Math: Hist Foundations Courses

MHF 3202  Set Theory and Mathematical Logic
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312*

MHF 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MHF 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MHF 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

* This course may be taken prior to or during the same term.
**MKA-Marketing Applications Courses**
**MLS-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 3905**  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

**MLS 4191**  Molecular Diagnostics  
3 sh (may not be repeated for credit)  
Prerequisite: BCH 3033 AND PCB 3063  
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  
1 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 conventional PCR, electrophoresis for DNA and proteins, real time PCR, densitometry, Southern Blot and Western Blot techniques. Material and Supply fee will be assessed. Equipment fee will be assessed. Permission is required.

**MLS 4220**  Urinalysis/Body Fluids I  
1 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 Lab  
1 sh (may not be repeated for credit)  
Co-requisite: MLS 4220  
Corresponding Lab for Urinalysis / Body Fluids I.

**MLS 4305**  Hematology I  
3 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  
1 sh (may not be repeated for credit)  
Co-requisite: MLS 4305  
Corresponding lab for Hematology I.

**MLS 4334**  Hemostasis and Thrombosis  
1 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  
1 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/L  
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/L
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
3 sh (may not be repeated for credit)
Prerequisite: MCB 3020/L
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
1 sh (may not be repeated for credit)
Co-requisite: MLS 4462
Corresponding lab for Medical Microbiology.

MLS 4505  Clinical Immunology
3 sh (may not be repeated for credit)
Prerequisite: BCH 3033 AND PCB 3063
Co-requisite: MLS 4505L
The course is divided into 3 major sections. The immune system and its components, complement, antibody and antigens, cellular and humoral immunity are described. Immune-mediated diseases, such as AIDS, Hemolytic Disease of the Newborn and Lupus Erythematosus are discussed. Diseases that are diagnosed using serologic methods, such as syphilis, infectious mononucleosis, and measles are discussed. Current methodologies used in the medical serology and immunodiagnostic laboratory are introduced. Permission is required.

MLS 4505L  Clinical Immunology Lab
1 sh (may not be repeated for credit)
Co-requisite: MLS 4505
The laboratory section is a co-requisite to Clinical Immunology. The course reinforces laboratory safety and sample collection and processing, and gives the student practical experience using serologic and immunologic techniques, such as agglutination, precipitation, immunofluorescence, ELISA, and antibody elution and detection methods. Material and Supply Fee will be assessed. Equipment Fee will be assessed. Permission is required.

MLS 4550  Immunohematology I
3 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.

MLS 4550L  Immunohematology I Lab
1 sh (may not be repeated for credit)
Co-requisite: MLS 4550
Corresponding lab for Immunohematology I.

MLS 4625  Clinical Chemistry I
2 sh (may not be repeated for credit)
Prerequisite: BCH 3033
Co-requisite: MLS 4625L
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.

MLS 4625L  Clinical Chemistry I Lab
1 sh (may not be repeated for credit)
Co-requisite: MLS 4625
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.
MLS 4630  Clinical Chemistry II
2 sh (may not be repeated for credit)
Prerequisite: MLS 4625/L
Co-requisite: MLS 4630L
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.

MLS 4630L  Clinical Chemistry II Lab
1 sh (may not be repeated for credit)
Prerequisite: MLS 4625/L
Co-requisite: MLS 4630
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 4705  Special Clinical Topics
1 sh (may not be repeated for credit)
Fundamentals of clinical laboratory management, supervision and educational methodologies are covered. Students are introduced to clinical laboratory operations in areas of financial and human resource management, marketing of laboratory services, communications with other health care professionals, laboratory information systems and regulatory compliance with applicable regulatory agencies. Other special clinical topics related to education and training, lab safety, HIV / AIDS, prevention of medical errors, professional ethics and career planning are presented.

MLS 4820L  Clinical Chemistry III
4 sh (may not be repeated for credit)
Prerequisite: MLS 4625 AND MLS 4630
Application of clinical chemistry principles and techniques presented in Clinical Chemistry I and II. Supervised practice in the hospital laboratory. Permission is required.

MLS 4821L  Diagnostic Microbiology II
4 sh (may not be repeated for credit)
Prerequisite: MLS 4460 AND MLS 4462
Application of clinical microbiology principles and techniques presented in MLS 4460. Supervised practice in an affiliated hospital laboratory. Includes manual and automated identification and susceptibility testing, specimen collection and processing, quality assurance, and laboratory organization. Permission is required.

MLS 4822L  Hematology II
4 sh (may not be repeated for credit)
Prerequisite: MLS 4305/L
Application of Hematology I. Advanced practical training in automated hematology instrumentation, routine and special procedures in hematology lab, and practice of quality control methods, maintenance and trouble shooting of clinical hematology equipment. Training includes all aspects of clinical lab medicine in a modern hematology / coagulation lab and prepares the student to assume responsibility as a medical technologist. Permission is required.

MLS 4823L  Immunohematology II
4 sh (may not be repeated for credit)
Prerequisite: MLS 4550/L
Continuation of Immunohematology I, at one of the affiliate hospitals. Advanced practical training in modern blood banking and transfusion services at the hospital. Training includes practice and performance, under supervision, of all the procedures involving pre-transfusion tests on patient’s blood, selection of donor blood, compatibility determination, problem solving, release of suitable blood/blood components for transfusion therapy. Permission is required.

MLS 4824L  Special Clinical Methods
2 sh (may not be repeated for credit)
Supervised practice in a hospital laboratory. Special methods in clinical laboratory sciences, including non-routine (special) chemistry procedures and methods in immunodiagnostics, mycobacteriology and clinical mycology. Permission is required.

MLS 4825L  Urinalysis/Body Fluids II
2 sh (may not be repeated for credit)
Supervised practice in a hospital laboratory in the analysis of urine and other body fluids; techniques in parasitology and phlebotomy procedures. Permission is required.

MLS 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**MMC-Mass Media Communications Courses**

MMC 2000  Principles of Mass Communication
3 sh (may not be repeated for credit)

MMC 3261  Computer Mediated Communication
3 sh (may not be repeated for credit)
Examination of theoretical and practical issues emerging from the use of the Internet as a communication medium. Focus is on the legal, social, and ethical problems arising from the use of computers in communication. Students also acquire skills in creating content for the Web, and in critical analysis of Web sites. Applications of the Web for advertising, public relations and journalism are discussed. Basic familiarity with computer use and operating systems is required. Credit may not be received in MMC 3261 and MMC 3261C.
Material and supply fee will be assessed.

Concerns of the press as they pertain to prior restraint, libel, privacy, testimonial privilege, access to information, obscenity and ensuring a fair trial. Extensive review of court decisions.

Introduces students to classical ethical philosophies; presents various ethical decision-making strategies; application of ethical models to information-gathering and dissemination dilemmas; helps students form an ethical framework for future positions of responsibility in mass media industries; introduces students to the case method of instruction.

The convergence of new and old technologies will redefine past concepts of the media. In this new, digital, interactive, high-cost, highly fragmented, and highly competitive media world, generating revenue is a top priority for survival. Sales people and sales managers have become more important to the media industry. Introduces students to the principles of media selling and sales management and prepares them for media selling and sales management jobs at a time when media companies are cutting back in almost every area except sales, where jobs are actually increasing.

Study of comparative mass media systems (telecommunication, film and print media) and related problems and issues of culture, national development, foreign policy, national sovereignty, regulation and policy, information flow, propaganda, human rights and global trends in telecommunication. Offered concurrently with MMC 5306; graduate students will be assigned additional work. Senior standing is required.

Challenges students to study, practice, and evaluate adaptive leadership skills as presented with the demands of preparing for the ROTC Leadership Development and Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. Students receive systematic and specific feedback on leadership abilities and begin to analyze and evaluate their own leadership values, attributes, skills, and actions. Material and Supply Fee will be assessed. Permission is required.

Uses increasingly intense situational leadership challenges to build student awareness and skills in leading tactical operations. Builds on the lessons learned in MSL 3201C by increasing the size and scope of the student's management responsibilities. Students also learn to communicate using military briefings and by writing military orders. Emphasis is placed in exploring, evaluating, and developing skills in decision making, persuading, and motivating team members. Material and Supply Fee will be assessed. Permission is required.
MTG-Math: Topology 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, straight edge 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. Meets Gordon Rule Theoretical Mathematics Requirement.

MTG 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MTG 6348 Point set and algebraic topology
3 sh (may not be repeated for credit)

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. Must complete Abstract Algebra or have permission of instructor.

MUC-Music:Composition Courses

MUC 4200 Introduction to Music Composition
2 sh (may not be repeated for credit)
Prerequisite: MUT 3611 AND MUT 4311

This course is a progressive exploration of a variety of compositional techniques, repertoire, concepts, and aesthetics from the recent past. The course provides students interested in composition with the basic tools needed to compose effectively in contemporary idioms.

MUE- Music 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 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 4.000 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 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUE 4330 Music in the Middle and Secondary Schools
2 sh (may not be repeated for credit)
Prerequisite: MUE 2040 AND MUE 3311

The organization and administration of general, choral, and instrumental music in middle and high schools. Permission is required.

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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.

MUE 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUG-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.

MUG 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUH-Music: History/Musicology Courses

MUH 2030 Women in Popular Music
3 sh (may not be repeated for credit)

An exploration of the rich heritage of 20th and 21st century iconic popular female performers and song-writers. The primary focus of this class will be to examine how the lives and musical output of female musicians were influenced by major historical events throughout the modern era such as World War I and II, the suffrage movement, the women's liberation movement and other events leading up to current times. Includes detailed studies of legendary female musicians such as Ella Fitzgerald, Edith Piaf, Barbra Streisand, Dolly Parton and Lady Gaga.

MUH 2930 The Music Experience: Special Topics
3 sh (may be repeated for up to 9.000 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. Satisfies UWF Breadth requirement in Humanities. 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. Meets Gordon Rule Writing Requirement.

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. Meets Gordon Rule Writing Requirement.

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.
MUH 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MUH 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MUH 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MUH 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL-Music: Literature Courses

MUL 2010  Music Appreciation
3 sh (may not be repeated for credit)
Musical perspectives within Western civilization. Designed to express the correlation of music, art, and literature in Western culture. Special emphases include the nature of music, both past and present, and music as reflection / expression of society’s vital activities. Credit cannot be earned in both MUH 2110 and MUL 2110. Satisfies Florida Common Core Humanities requirement. Meets Multicultural Requirement.

MUL 3503  Symphonic and String Literature
2 sh (may not be repeated for credit)
Prerequisite: MUH 3211* AND MUT 3611*
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* AND MUT 3611*
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* AND MUT 3611*
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* AND MUT 3611*
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.

MUL 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUL-Music: Ensembles Courses

MUN 1310  The University of West Florida Singers
1 sh (may be repeated indefinitely for 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  Chamber Choir
1 sh (may be repeated indefinitely for credit)
Select mixed choral ensemble performing a cappella and chamber 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 indefinitely for 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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUN 2920  Symphony Orchestra
1 sh (may be repeated for up to 18.000 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 3133  The University of West Florida Symphonic Band
1 sh (may be repeated indefinitely for 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 indefinitely for credit)

MUN 3313  Advanced University Singers
1 sh (may be repeated indefinitely for 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 Chamber Choir  
1 sh (may be repeated indefinitely for credit)  
Select mixed choral ensemble performing a cappella and chamber 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  
1 sh (may be repeated for up to 8.000 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 an understanding of performance technique and sight reading skills.

MUN 3483  Guitar Ensemble  
1 sh (may be repeated for up to 10.000 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 indefinitely for 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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

MUS 2241  Diction for Singers I: Italian  
1 sh (may not be repeated for credit)  
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.

MUS-Music Courses  

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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

MUT-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 AND 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 1905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUT 2116  Sophomore Theory
3 sh (may not be repeated for credit)
Prerequisite: MUT 1112 AND 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 AND MUT 2276
Co-requisite: MUT 2277
Continuation MUT 2116, including augmented sixth chords, the
neopolitan 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)
Prerequisite: MUT 2276
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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUT 3401  Techniques of Counterpoint
2 sh (may not be repeated for credit)
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)
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. Credit may not be received in both MUT 3671
and MUT 3641.

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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUT 4311  Instrumentation
2 sh (may not be repeated for credit)
Use of, and writing for, orchestral and band instruments;
class 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 3642
Continuation of Jazz Improvisation II. Advanced techniques and
practices of jazz improvisation.

MUT 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MUT 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

MVB-Applied Music: Brasses Courses

MVB 1311  Applied Music Trumpet
2-3 sh (may be repeated for up to 9.000 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 9.000 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 9,000 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 9,000 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 9,000 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 9,000 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 9,000 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 9,000 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 9,000 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 9,000 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 2421  Performance: Brass  
2 sh (may be repeated for up to 6,000 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 9,000 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 9,000 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 9,000 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 9,000 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 9,000 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 3970  Junior Recital - Brass  
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.

MVB 4341  Applied Music Trumpet  
2-3 sh (may be repeated for up to 9,000 sh of credit)  
Individual instruction in applied music in trumpet. 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 Horn  
2-3 sh (may be repeated for up to 9,000 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 4343  Applied Music Trombone  
2-3 sh (may be repeated for up to 9,000 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.
Descriptions

MVB 4344 Applied Music Euphonium
2-3 sh (may be repeated for up to 9.000 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 9.000 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 not be repeated for 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-Applied Music: Keyboard Courses

MVK 1111 Class Piano I
1 sh (may be repeated for up to 8.000 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 8.000 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)
Development of functional skills at the keyboard. Open only to music majors.

MVK 1311 Applied Music Piano
2-3 sh (may be repeated for up to 9.000 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 1313 Applied Music Organ
2-3 sh (may be repeated for up to 9.000 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 9.000 sh of credit)
Individual instruction in applied harpsichord. Primarily for music majors of the freshmen 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 9.000 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 2421 Applied Music Piano
2-3 sh (may be repeated for up to 9.000 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 9.000 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 6.000 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 9.000 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 9.000 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 9.000 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
Designed to equip the pianist with basic skills in accompanying vocalists, instrumentalists, and choral groups. Emphasis on listening techniques related to vocal, instrumental, and choral literature. Two years of applied piano and permission is required.

MVK 3720 Collaborative Piano (Vocal)
3 sh (may be repeated for up to 9.000 sh of credit)
Through the study of representative works from the Piano/Vocal repertoire, students will learn the necessary skills for a successful collaboration. Among others, issues of balance, tempo, score preparation, rehearsal techniques, learning techniques will be discussed. This is a performance based course in which piano/vocal duos will be assigned for in-class performances. Students will be coached and critiqued by their professor and colleagues in a master class format.

MVK 3721 Collaborative Piano (Instrumental)
3 sh (may be repeated for up to 9.000 sh of credit)
Through the study of representative works from the Piano/Instrumental repertoire, students will learn the necessary skills for a successful collaboration. Among others, issues of balance, tempo, score preparation, rehearsal techniques, learning techniques will be discussed. This is a performance based course in which piano/instrumental duos will be assigned for in-class performances. Students will be coached and critiqued by their professor and colleagues in a master class format.

MVK 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 9.000 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 4343 Applied Music Organ
2-3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music in organ. 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 9.000 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 9.000 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 sh (may not be repeated for 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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 MVK 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 not be repeated for 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.
MVP-Applied Music: Percussion Courses

MVP 1311   Applied Music Percussion  
2-3 sh (may be repeated for up to 9.000 sh of credit)  
Individual instruction in applied music in percussion. 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.

MVP 2321   Applied Music Percussion  
2-3 sh (may be repeated for up to 9.000 sh of credit)  
Individual instruction in applied music in percussion. 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.

MVP 4241   Performance: Percussion  
2 sh (may be repeated for up to 6.000 sh of credit)  
Individual instruction in applied music in percussion. 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.

MVP 3331   Applied Music Percussion  
2-3 sh (may be repeated for up to 9.000 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 9.000 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 not be repeated for 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.

MVS-Applied Music: Strings Courses

MVS 1311   Applied Music Violin  
2-3 sh (may be repeated for up to 9.000 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 9.000 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 9.000 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 9.000 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 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 9.000 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 9.000 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 9.000 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 9.000 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 2326  Applied Music Guitar
2-3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music in guitar. 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 9.000 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 9.000 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 9.000 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 9.000 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 9.000 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 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 1 credit hour. Two semesters of 4000 level applied music (senior level) and permission required.

MVS 4342  Applied Music Viola
2-3 sh (may be repeated for up to 9.000 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 9.000 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 9.000 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 4346  Applied Music Guitar
2-3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music in guitar. 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 not be repeated for 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.

MVV-Applied Music: Voice Courses

MVV 1311  Applied Music Voice
2-3 sh (may be repeated for up to 9.000 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 6.000 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 2421  Applied Music Voice
2-3 sh (may be repeated for up to 9.000 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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
MVV 3331 Performance: Voice
3 sh (may be repeated for up to 9.000 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.

MVV 3431 Applied Music Voice
2-3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music voice. 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.

MVV 3970 Junior Recital - Voice
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.

MVV 4341 Performance: Voice
3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music in voice. 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.

MVV 4441 Applied Music Voice
2-3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music vocal. 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.

MVV 4640 Vocal Pedagogy
2 sh (may not be repeated for credit)
Explores strategies of teaching voice to students of all ages and levels.

MVV 4971 Senior Recital - Voice
1-3 sh (may not be repeated for 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-Applied Music: Woodwinds Courses

MVW 1311 Applied Music Flute
2-3 sh (may be repeated for up to 9.000 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 9.000 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 9.000 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 1314 Applied Music Bassoon
2-3 sh (may be repeated for up to 9.000 sh of credit)
Individual instruction in applied music in bassoon. 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 9.000 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 9.000 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 9.000 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 9.000 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.

MVW 2324 Applied Music Bassoon
2-3 sh (may be repeated for up to 9.000 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 9.000 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 6.000 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 9.000 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 9.000 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 9.000 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 9.000 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 9.000 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 must present a complete public recital. Permission to give a recital is secured from the student's 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.

MVW 4345  Applied Music Saxophone  
2-3 sh (may be repeated for up to 9.000 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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

MVW 4971  Senior Recital - Woodwinds  
1-3 sh (may not be repeated for 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.

**NGR-Nursing: Graduate Courses**

NGR 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

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 in a safe, high quality, and cost-effective manner are emphasized.

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 6710  Nursing Education Seminar I
6 sh (may not be repeated for credit)
Prerequisite: NGR 6002 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6740 AND NGR 6800 AND 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, 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. Each student will obtain a preceptor who meets specified criteria for the preceptor role to serve as their preceptor for the required 90 practicum hours in this course. Students will also have didactic and 90 practicum hours in the subsequent course, NGR 6715. These courses provide the student with advanced study in inquiry leading to preparation for a capstone project in their last semester. Permission Required.

NGR 6715  Nursing Education Seminar II
6 sh (may not be repeated for credit)
Prerequisite: NGR 6002 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6710 AND NGR 6740 AND NGR 6800 AND NGR 6880
This culminating specialization seminar II course expands the students' knowledge and skill in nursing education. Exploration of curriculum, evaluation, accreditation and synthesis of the nurse educator role are primary course components. This course provides the student with the opportunity to apply nursing education principles in a 90 hour preceptorship setting with experienced nurse educators in both academic and/or clinical settings.

NGR 6728  Nursing Leadership & Management Seminar I
6 sh (may not be repeated for credit)
Prerequisite: NGR 6002 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6740 AND NGR 6800 AND NGR 6880
This initial specialization seminar course builds on the undergraduate content in 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 6002 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6728 AND NGR 6740 AND NGR 6800 AND NGR 6880
This is the second of Nursing Leadership and Management Seminars 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 6734  Project Development and Management for Nurse Leaders
3 sh (may not be repeated for credit)
This core course in the MSN Leadership and Management program provides a foundation for project management conducted by nurses as it applies to healthcare. Development of health project ideas, implementation strategies and skill sets for project management and information technology are specific foci. At the end of this course, students should be able to develop, execute, and control a basic project plan that is capable of supporting organizational objectives linked to measures of success for a single project.

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 6793  Economics of health management for nurse leaders
3 sh (may not be repeated for credit)
This core course in the MSN Leadership and Management program explores basic economics, market drivers and constraints, foundational financial management processes and managerial accounting principles in order to equip the student with business and financial skills for data-driven decisions in nursing and healthcare. The course culminates with the development of a business case for an identified service or problem resolution.
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 for the role of change agent as they identify practice areas where evidence-based practice integration is needed and facilitate the movement of evidence-based quality initiatives and practice change. Also, it provides the student with core EBP competencies leading to preparation for a capstone project in their last semester.

NGR 6833 Nursing Leadership & Management EBP Project I
3 sh (may not be repeated for credit)
Prerequisite: NGR 6002 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6728 AND NGR 6729 AND NGR 6740 AND NGR 6880

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 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6728 AND NGR 6729 AND NGR 6740 AND NGR 6880

This culminating project 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 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6710 AND NGR 6715 AND NGR 6740 AND NGR 6880

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)
Prerequisite: NGR 6002 AND NGR 6140 AND NGR 6172 AND NGR 6700 AND NGR 6710 AND NGR 6715 AND NGR 6740 AND NGR 6880 AND NGR 6834 AND NGR 6880

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 6872 Information systems technology for nurse leaders
3 sh (may not be repeated for credit)

This core course in the MSN Leadership and Management program provides a foundation of information needed by advance practice nurses related to technology and changes in healthcare delivery, reimbursement models, administrative application, care delivery application, and research. Quality improvement, patient safety and the analysis of relevant data to the improvement of healthcare will be explored.

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.

NGR 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

NSP-Nursing Special Courses

NSP 3845 Academic Writing in Nursing I
1 sh (may not be repeated for credit)
Co-requisite: NUR 3081

Provides an introduction to the academic reading and writing characteristics of higher education for the RN-BSN student. Within the context of the nursing profession the student will demonstrate the ability to read critically, write effective arguments, and practice the writing process using APA style format. Co-requisite NUR 3081.

NSP 4846 Academic Writing in Nursing II
1 sh (may not be repeated for credit)
Co-requisite: NUR 4165

Continues the foundation for the academic reading and writing characteristics of higher education for the RN-BSN student. Within the context of evidence-based nursing practice the student will conduct a scholarly literature review, write extended arguments, and further develop writing expertise using APA style format. Co-requisite NUR 4165.

NUR-Nursing: Generic Undergrad Courses

NUR 3003L Patient Centered Care I Lab
3 sh (may not be repeated for credit)
Co-requisite: NUR 3026, NUR 3095, NUR 3138, NUR 3805

This course provides the student with clinical skill development and patient centered care clinical experiences effectively grounded in the principles of safety, quality, interprofessional care, and evidence based practice. Translation of theory to practice is emphasized.

NUR 3026 Patient Centered Care I
4 sh (may not be repeated for credit)
Co-requisite: NUR 3003L, NUR 3138, NUR 3805, NUR 3905

This course will introduce the student to the use of evidence-based strategies and the nursing process in provision of patient centered care of adults and older adults with chronic or non-complex acute illnesses. An emphasis of this course will focus on safety, quality, care, and interprofessional collaborative efforts to optimize patient outcomes.
NUR 3065   Patient Centered Care II
4 sh (may not be repeated for credit)
Co-requisite: NUR 3065L
This course provides the student vital knowledge on the increasing acuity of common health illnesses and related nursing care interventions for the Adult Health client across the lifespan. Through critical thinking, clinical reasoning, evidence based practice and problem based learning, students gain an understanding of actual and potential complex health problems.

NUR 3065L   Patient Centered Care II Lab
3 sh (may not be repeated for credit)
Co-requisite: NUR 3065C
This clinical course provides the student with applicable clinical experiences caring for adult health clients with varied illnesses. Through clinical experiences, the concepts of critical thinking, clinical reasoning, quality and safety initiatives, and evidence based practice are further formulated in client care situations.

NUR 3067   Health Assessment and Promotion
3 sh (may not be repeated for credit)
For the RN-BSN student, this course focuses on enhancing knowledge and skills in health history interviews, health screening, and selected physical examination techniques. Identification of primary health needs and the ability to locate reliable internet resources is explored.

NUR 3081   Transition to Professional Nursing Practice
3 sh (may not be repeated for credit)
Co-requisite: NSP 3845
This introductory course for the RN-BSN student provides educational based guidance in progressing into the role of the baccalaureate nurse through exploration of nursing theories, healthcare policy, and the core healthcare professional competencies.

NUR 3095   Introduction to Pharmacological Nursing
2 sh (may not be repeated for credit)
Co-requisite: NUR 3003L, NUR 3026, NUR 3095
This course focuses on the pharmacologic aspects of nursing practice. A foundation of knowledge is built in relation to pharmacokinetics, pharmacodynamics, and pharmacotherapeutics of drug therapy. The nurses’ role in error prevention and patient safety during medication administration is carefully examined.

NUR 3138   Health Assessment and Promotion in Nursing Practice
3 sh (may not be repeated for credit)
This course introduces students to health assessment as a systematic process with emphasis on therapeutic communication skills and assessment of health across the lifespan. Focus is on the development of therapeutic relationships and the use of general and specialized assessment skills as a basis for clinical decision making.

NUR 3145   Pharmacotherapeutics for the RN-BSN
3 sh (may not be repeated for credit)
For the RN-BSN student, this course focuses on the principles and concepts of pharmacology, current population specific treatment and related nursing practices.

NUR 3185   History of Nursing
2 sh (may not be repeated for credit)
Co-requisite: NUR 3003L, NUR 3026
This course introduces new content and builds on the concepts required. The student will now begin to explore concepts such as power, the politically active nurse, the health care debate, understanding behavior, the aging impact, and other developments in current nursing practice.

NUR 3185C   History of Nursing Lab
1 sh (may not be repeated for credit)
Co-requisite: NUR 3185
This course introduces the student to key concepts and expectations of professional nursing. A comprehensive examination of nursing history, theories and models, the nursing process, nursing organizations, law and liability, ethics, education, health care systems, and professional organizations are discussed. Additionally, the student will explore the primary roles of a professional nurse and what key elements are required.

NUR 3185D   History of Nursing Seminar
1 sh (may not be repeated for credit)
Co-requisite: NUR 3185
This course introduces students to informatics as it applies to health care in general with a special focus on nursing practice. The emphasis of this course is on the integration of nursing, computer, and information science for the support of professional nursing practice. Core informatics concepts, competencies, skills, and tools that promote safety, improve quality, and foster patient centered care and efficiency are introduced.

NUR 3805   Achieving Professionalism I
3 sh (may not be repeated for credit)
Co-requisite: NUR 3003L, NUR 3026, NUR 3138
This course introduces the student to key concepts and expectations of professional nursing. A comprehensive examination of nursing history, theories and models, the nursing process, nursing organizations, law and liability, ethics, education, health care systems, and professional organizations are discussed. Additionally, the student will explore the primary roles of a professional nurse and what key elements are required.

NUR 3835   Achieving Professionalism II
2 sh (may not be repeated for credit)
Prerequisite: NUR 3003L, NUR 3026, NUR 3138
This course introduces new content and builds on the concepts examined in Achieving Professionalism I. The student will now begin to explore concepts such as power, the politically active nurse, the health care debate, understanding behavior, the aging impact, and other developments in current nursing practice.

NUR 3505   Mental Health Nursing Care
3 sh (may not be repeated for credit)
Co-requisite: NUR 3505L
Students will examine the constructs of mental health, and mental illness focusing on restoration and maintenance of individuals experiencing acute and chronic mental health issues. Evidence-based nursing strategies, with a focus on cultural considerations and groups across the lifespan will be addressed. Meets Multicultural Requirement.

NUR 3505L   Mental Health Nursing Care Lab
2 sh (may not be repeated for credit)
Co-requisite: NUR 3505
This course provides the mental health clinical component of Mental Health Nursing Care. Students will perform therapeutic nursing care to diverse individuals and families across the life span. The use of evidence based practice guidelines will be incorporated into the provision of nursing care of those individuals who chronic mental health disorders. Meets Multicultural Requirement.
This course provides the student with applicable clinical experiences caring for complex adult health clients with varied illnesses. Through clinical, lab, and simulation experiences, the concepts of clinical reasoning, clinical judgment, and care centered in quality and safety is emphasized. Use of evidence in the provision of complex care is also a course focus.

NUR 4007L  Patient Centered Care IV Lab  
4 sh (may not be repeated for credit)  
Prerequisite: NUR 4003L AND NUR 4169 AND NUR 4216 AND NUR 4445/L  
Co-requisite: NUR 4257  
This final patient centered care lab course focuses on the provision of safe, competent, quality nursing care to those individuals who have high acuity illness, are unstable, or have life threatening conditions. The nurse's role as provider and manager of care is emphasized as part of this preceptor based clinical experience.

NUR 4125  Pathophysiology and Healthcare Management  
3 sh (may not be repeated for credit)  
For the RN-BSN student, this course is designed to integrate disease processes, healthcare and nursing interventions. This course examines the pathophysiological processes that occur in the human body.

NUR 4165  Essentials of Evidence-Based Nursing Practice  
3 sh (may not be repeated for credit)  
Prerequisite: STA 2023  
Co-requisite: NSP 4846  
This course introduces the baccalaureate nursing student to evidence-based nursing practice. Students will explore quality care initiatives through the integration of theory, evidence, clinical judgment and patient preferences. Meets Gordon Rule Writing Requirement.

NUR 4169  Integration of Evidence in Professional Nursing Practice  
3 sh (may not be repeated for credit)  
Prerequisite: NUR 3003L AND NUR 3026 AND NUR 3065/L AND NUR 3505/L AND NUR 3805 AND NUR 3835  
This course is designed to promote the student's understanding of translating research into nursing clinical reasoning and decision-making. Upon completion of the course, the student should be able to review and use research findings in the provision of patient centered care to improve health.

NUR 4216  Patient Centered Care III  
4 sh (may not be repeated for credit)  
Prerequisite: NUR 3065/L AND NUR 3505/L AND NUR 3835 AND NUR 3871  
Co-requisite: NUR 3003L  
This course builds upon and broadens the student's knowledge base and clinical reasoning skills in the provision of patient centered care to individuals, families and diverse populations with increasingly complex illnesses. Emphasis is placed on utilizing evidence based principles and the nursing process in the delivery of safe, high quality patient care.
NUR 4636   Public Health & Community-based Nursing
3 sh (may not be repeated for credit)
This RN-BSN course emphasizes practice of public health and community-based nursing. The course emphasizes systems-level health promotion and disease prevention, using the public health sciences of epidemiology, environmental health, health policy, community assessment, and community assessment. Meets Multicultural Requirement.

NUR 4636L Community and Public Health Nursing Lab
2 sh (may not be repeated for credit)
Prerequisite: NUR 4003L AND NUR 4169 AND NUR 4216 AND NUR 4445/L
Co-requisite: NUR 4615
Expanding upon current knowledge and experience base, students will participate in a variety of clinical experiences in diverse settings with an emphasis on health maintenance, health promotion, education, and disease prevention.

NUR 4826 Law & Ethics in Nursing
3 sh (may not be repeated for credit)
For the RN-BSN student to explore legal concepts and regulations that guide professional nursing practice. Examines ethical decision-making related to nursing practice and health care.

NUR 4827 Leadership and Management in Nursing
3 sh (may not be repeated for credit)
Prerequisite: NUR 4003L AND NUR 4169 AND NUR 4216 AND NUR 4445/L AND NUR 4615/L
Co-requisite: NUR 3837, NUR 4257, NUR 4257/L, NUR 4945/L
The purpose of this course is to examine leadership and management concepts used to address complex microsystem issues within selected healthcare organizations. Emphasis is on the application of advanced communication skills in collaboration with interprofessional teams. Focus is on the interrelationship of selected roles within the context of specific theoretical frameworks and models of care.

NUR 4828 Nursing Systems Management
3 sh (may not be repeated for credit)
This RN-BSN course provides an overview of essential nurse leader/manager skills, knowledge, and expertise required for complex health care environments. An emphasis on quality and safety initiatives will be examined to ensure the provision of highly reliable care.

NUR 4895 Health Education in the Community
3 sh (may not be repeated for credit)
This capstone course focuses on the role of nurse as health educator. The student will design and implement an evidence-based teaching plan for a vulnerable population in the community setting.

NUR 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

OCB-Biological Oceanography Courses

OCB 3108 Study Abroad In Florida - Marine Field Studies
3-4 sh (may not be repeated for credit)
Prerequisite: BSC 2010 AND BSC 2011 AND CHM 2045 AND CHM 2046
This is a 5-week, field intensive course designed to expand student knowledge of the biodiversity, geochemistry, and human impact of Florida’s coastal and offshore ecosystems through a round-robin trip around Florida to explore marine eco-systems. This course will take students from the reefs of the Florida Keys to the open Gulf of Mexico aboard state-of-the-art research vessels, as well as shallow tropical estuaries of the western Everglades, the temperate Estuarine and Coastal environments of Northeast Florida, and watersheds in northwest Florida. Field and laboratory work will allow students to utilize current marine research methods while learning about marine environments and their organisms. Some field activities will be physically demanding. Required prerequisites include Chem I and II, Bio I and II, or permission of the instructor is required.

OCB 4201 Biology of Coral Reefs
3 sh (may not be repeated for credit)
Prerequisite: (BOT 2010 AND PCB 2131) OR ZOO 1010 OR (BSC 2010 AND BSC 211)
Overall, the aim of this course is to highlight the organization, structure, productivity, and biological diversity of the coral reef ecosystem. This course will address the taxonomy, biology, and ecology of the main groups (inhabitants & builders) on coral reefs. Special attention and focus will be given to environmental and anthropogenic disturbances. Offered concurrently with OCB 5203 (Biology of Coral Reefs).

OCB 5203 Biology of Coral Reefs
3 sh (may not be repeated for credit)
Overall, the aim of this course is to highlight the organization, structure, productivity, and biological diversity of the coral reef ecosystem. This course will address the taxonomy, biology, and ecology of the main groups (inhabitants & builders) on coral reefs. Special attention and focus will be given to environmental and anthropogenic disturbances. Offered concurrently with OCB 4201 (old ZOO3556).

OCC-Chemical Oceanography Courses

OCC 4002 Chemical Oceanography
3 sh (may not be repeated for credit)
Prerequisite: CHM 2045/L
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/L
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.
**OCE-General Oceanography Courses**

OCE 3007  Concepts of Oceanography and Marine Biology  
3 sh (may not be repeated for credit)  
Prerequisite: BSC 2311  
This course is an examination of the principal ecosystems of the world's oceans, emphasizing the biotic and abiotic factors that contribute to the distribution of marine organisms. This course will focus on ocean literacy: awareness and understanding of the fundamental concepts about the history, function, contents, and utilization of the ocean. Emphasis will be placed on marine environmental issues and climate change.

OCE 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

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.

OCE 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

OCE 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

OCE 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

**ORI-Oral Interpretation Courses**

**PAD-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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

PAD 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

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 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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 6706  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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PAD 6946  Administration Capstone
3 sh (may not be repeated for credit)

Culminating academic endeavor of students who are nearing completion of their Master of Science in Administration (MSA) program with specializations in Public Administration, Leadership or Acquisitions and Contract Administration. 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 professional interest and to address that problem or issue through focused study and applied research under the direction of a faculty member. The project should demonstrate students' abilities to synthesize and apply the knowledge and skills acquired in his/her academic program to real-world issues and problems. This final project should affirm students' abilities 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 competencies. It is designed to be an integrative experience for MSA students in these specializations. Students will submit a Capstone Course Approval Form and once approved, be permitted to register for this course.

PAD 8905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
PAD 8980  Dissertation
1-6 sh (may be repeated for up to 18,000 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.

PCB-Process Bio:Cell/Mole/Eco Courses

PCB 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PCB 3063C  Genetics
4 sh (may not be repeated for credit)
Prerequisite: BSC 2010/L AND BSC 2011/L

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 3097  Introduction to Human Anatomy
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L AND PCB 3097L*

Introduction to Human Anatomy is a comprehensive examination of human anatomy. The relationship between structure and function forms a continuing theme within both lecture and laboratory. This course is designed for students who intend to pursue a professional degree in health related fields.

PCB 3097L  Introduction to Human Anatomy Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PCB 3097*
Co-requisite: PCB 3097

Introduction to Human Anatomy is a comprehensive examination of human anatomy. The relationship between structure and function forms a continuing theme within both lecture and laboratory. This course is designed for students who intend to pursue a professional degree in health related fields.

PCB 3103  Cell Biology
3 sh (may not be repeated for credit)
Prerequisite: BSC 2010/L AND BSC 2011/L

Cell biology is the study of the structure and function of eukaryotic cells. The course will cover the basics of cellular function and biochemical foundations, cellular genetics and molecular biology, cell structure and function, cell signaling, and cytoskeletal organization and regulation. Relevant current topics in the news and disease case studies will also be used to more broadly apply the topics learned throughout the course to real-world situations.

PCB 3103L  Cell Biology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PCB 3103*

Cell biology Laboratory is designed to provide the fundamental training in the current techniques and methodologies used in research laboratories. The laboratory is to complement the cell biology lecture, however can be taken independently. The experiments are associated with the following topics: microscopy (bright-field and fluorescence), the scientific method, biochemistry, cellular organization, structure and function relationships, cellular energetics, biotechnology, forensic investigations, and the immunology of the wound response.

PCB 3253  Developmental Biology
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L
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
1 sh (may not be repeated for credit)
Co-requisite: PCB 3253

Corresponding lab for Developmental Biology.

PCB 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PCB 3930  Biology Seminar Series
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 PCB4922 and PCB5924; graduate students will be assigned additional work.

PCB 4043  Ecology
3 sh (may not be repeated for credit)
Prerequisite: (BOT 2010/L AND CHM 2046/L AND STA 2023) OR BSC 2011/L
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 4043L  Ecology Lab
1 sh (may not be repeated for credit)
Co-requisite: PCB 4043

Corresponding lab for Ecology.
PCB 4048C  Coastal Marine Ecology
4 sh (may not be repeated for credit)
Prerequisite: CHM 2046/L AND PCB 4043
The study of nearshore coastal environments, particularly bays and estuaries emphasizing interactions among biotic communities, physical, geological and chemical processes. The influence of human activities on and management of these ecosystems is discussed. Offered concurrently with PCB 5445C; graduate students will be assigned additional work. Material and supply fees will be assessed for corresponding lab.

PCB 4098  Concepts in Human Physiology
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L AND PCB 4098L*
Concepts in Human Physiology is a 3 credit lecture and 1 credit lab course for students interested in areas related to human physiology. It covers physiological mechanisms of the human body. Emphasis is placed on mechanisms designed to maintain homeostatic conditions, membrane dynamics and cell signaling including endocrine and nervous signals, as well as other vital physiologic mechanisms necessary to homeostasis.

PCB 4098L  Concepts in Human Physiology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PCB 4098*
Concepts in Human Physiology is a 3 credit lecture and 1 credit lab design to reinforce concepts learned in lecture. Laboratory exercises include modeling cellular activities and metabolic reactions, as well as measurements and experiments related to organ system function.

PCB 4233  Immunology
3 sh (may not be repeated for credit)
Prerequisite: MCB 3020 OR (CHM 2210 AND PCB 3103)
Co-requisite: PCB 4233L
Basic principles of immunology to include humeral 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*
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,oxic, osmotic 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*
Field techniques for quantifying physiological adaptations of marine organisms to their abiotic environment. Students will characterize marine habitats and assess feeding, metabolic,oxic, 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/Op Wall
3 sh (may not be repeated for credit)
1-6 week course culminating in an expedition with Op Wall 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 4482  Quantitative Ecology
3 sh (may not be repeated for credit)
Prerequisite: PCB 4043 AND STA 2023
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 4524  Molecular Biology
3 sh (may not be repeated for credit)
Prerequisite: BCH 3033/L
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
1 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: BSC 2011/L
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
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L
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 5727; graduate students will be assigned additional work.

PCB 4723L  Comparative Animal Physiology Laboratory
1 sh (may not be repeated for credit)
Prerequisite: 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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 PCB5924 and PCB3930 (Biology Seminar); graduate students will be assigned additional work.

PCB 5235  Immunology
3 sh (may not be repeated for credit)
Co-requisite: PCB 5235L
The basic principles of immunology will be addressed. Immune-mediated disease processes will be discussed. Offered concurrently with PCB 4233; graduate students will be assigned additional work.

PCB 5235L  Immunology Laboratory
1 sh (may not be repeated for credit)
Selected experiments in immunology. Permission is required. Permission granted on the basis of fulfilling prerequisite or co-requisite. Material and supply fee will be assessed. Offered concurrently with PCB 4233L; graduate students will be assigned additional work.

PCB 5319  Marine Ecological Physiology
3 sh (may not be repeated for credit)
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, oxic, 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)
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, oxic, 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/Op Wall
3 sh (may not be repeated for credit)
1-6 week course culminating in an expedition with Op Wall 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 5445C  Coastal Marine Ecology
4 sh (may not be repeated for credit)
The study of nearshore coastal environments, particularly bays and estuaries emphasizing interactions among biotic communities, physical, geological and chemical processes. The influence of human activities on and management of these ecosystems is discussed. Offered concurrently with PCB 4048C; graduate students will be assigned additional work. Material and supply fees will be assessed for corresponding lab.

PCB 5480  Quantitative Ecology
3 sh (may not be repeated for credit)
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 5527  Molecular Biology
3 sh (may not be repeated for credit)
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
1 sh (may not be repeated for credit)
Co-requisite: PCB 5527
Corresponding lab for Molecular Biology.


PCB 5675  Principles of Evolution  
3 sh (may not be repeated for credit)  
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  
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 Laboratory  
1 sh (may not be repeated for credit)  
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 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

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)  
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 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

PCB 6971  Thesis  
1-6 sh (may be repeated for up to 12,000 sh of credit)

Graded on satisfactory / unsatisfactory basis only. Permission is required.

* This course may be taken prior to or during the same term.

PCO-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 2905  Directed Study  
1-12 sh (may be repeated indefinitely 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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

PCO 6246  Theories of Individual 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 6264  Ethical and Professional Issues in Counseling  
3 sh (may not be repeated for credit)  
Students must take (Either CLP 3144 or PPE 4003) or by permission of the instructor or an undergraduate degree in Psychology before enrolling in this course. Overview of major contemporary theoretical approaches to individual counseling and psychotherapy.

PCO 6266  Theories of Group Counseling  
3 sh (may not be repeated for credit)  
Students must take PCO 6216 or by permission of the instructor before enrolling in this course. 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 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

PCO 6946 Practicum in Counseling
3 sh (may not be repeated for credit)
Prerequisite: CLP 5166 AND PCO 6206C AND 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 9.000 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.

PEM-Phys Ed Act:Perfo Cent, La 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)
Prerequisite: PEM 1121
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: PEM 1121
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 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 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 rock 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 2444  Shotokan Karate
1 sh (may be repeated for up to 3.000 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 2445  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 2446  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.

PEM 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PEN-Phys Ed Act:Obj Cent, Land Courses

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. Material and supply fee will be assessed.

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. Material and Supply fee will be assessed (pending approval).

PEN 2123  Fitness Swimming
3 sh (may not be repeated for credit)
Designed to refine strokes so the student can swim with more ease, efficiency, power, and smoothness over greater distances. Ideal for the swimmer who may wish to enter competition or achieve a higher fitness level.

PEO-Phys Ed Act:Water Snow Ice 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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
PEP-Phys Ed Act: Perfo Cent Lan Courses

PEP 3505 Non-Traditional Sports
3 sh (may not be repeated for credit)
Designed for potential physical education teachers, sport administrators teachers and fitness and conditioning specialists. Sports administrators. Emphasis on development of game performance and teaching/coaching skills in the most popular non-traditional sports in physical education and sports programs. Students are expected to participate in the class by teaching, coaching, practicing and learning sport skills.

PET-Physical Education Theory Courses

PET 1905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 teaching, coaching, practicing and learning sport skills. Skills are measured through midterm assessment (no physical performance standards, only cognitive understanding of game performance skills) and lesson assessment (teaching/coaching skill evaluation).

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.

PET 3640 Adapted Physical Education and Sport
3 sh (may not be repeated for credit)
Handicapping conditions and how physical activity is adapted to the special needs of individuals with these conditions.

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 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

PET 4310C Mechanics of Human Motion
4 sh (may not be repeated for credit)
Prerequisite: APK 3110/L
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 integrated lab.

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. Material and Supply Fee will be assessed.

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 for prospective physical education teachers can plan and implement appropriate activities for the elementary school. Material and Supply fee will be assessed.

PET 4720 Physical Education in the Middle 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 middle 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 not be repeated for credit)
Prerequisite: PET 4710
Fourteen weeks of supervised teaching in a public or private school. Student teaching assignments will be made by application in Teacher Education Student Assessment System. Permission is required.

PET 4765 Theory and Practice of Coaching
3 sh (may not be repeated for credit)
Prerequisite: PET 3351*
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 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
PET 4926  Practicum I: Elementary School Physical Education  
1 sh (may not be repeated for credit)  
Co-requisite: PET 4720  
Students will complete 30 hours of practical observation in elementary school level physical education. A minimum of three hours per week will be spent observing in the assigned school setting. Completion of first two levels of Physical Education Teacher Education transition criteria must be met before assignment. Application for school assignment must be made in the Teacher Education Student Assessment System by the specified deadline. Contact your advisor for confirmation of this deadline.

PET 4927  Practicum II: Middle School Physical Education  
1 sh (may not be repeated for credit)  
Co-requisite: PET 4442  
Students will complete 30 hours of practical observation in middle school level physical education. A minimum of three hours per week will be spent observing in the assigned school setting. Completion of first two levels of Physical Education Teacher Education transition criteria must be met before assignment. Application for school assignment must be made in the Teacher Education Student Assessment System by the specified deadline. Contact your advisor for confirmation of this deadline.

PET 4928  Practicum III: High School Physical Education  
1 sh (may not be repeated for credit)  
Co-requisite: PET 4442  
Students will complete 30 hours of practical observation in high school level physical education. A minimum of three hours per week will be spent observing in the assigned school setting. Completion of first two levels of Physical Education Teacher Education transition criteria must be met before assignment. Application for school assignment must be made in the Teacher Education Student Assessment System by the specified deadline. Contact your advisor for confirmation of this deadline.

PET 4905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
PET 5905   Directed Study  
1 sh (may not be repeated for credit)

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 5905   Directed Study  
1 sh (may not be repeated for credit)

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. Credit may not be received in both PET 6015 and PET 6010.

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 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 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
PET 7003  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 7516   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 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. Credit may not be received in both PET 6015 and PET 6010.

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 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 6905   Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
PET 7003  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 7516   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 7533  Behavioral Observation Methods in Physical Education and Health  
3 sh (may not be repeated for credit) 
Students will advance their understanding and application of naturalistic inquiry, systematic observation, and behavioral observation practices in physical education and health settings as used for research, evaluation, and supervisory purposes.

PET 7535  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. Students will advance their knowledge, understanding, and application of the process of planning and designing elementary, secondary, and higher education physical education and health programs.

PET 7708  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 7774  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, effective, and psycho motor domains.

* This course may be taken prior to or during the same term.

** PGY-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 2801C  Digital Imaging  
3 sh (may not be repeated for credit) 
This course emphasizes the aesthetic, technical, and conceptual practices of image making using digital media. In the class, students will examine how to perceive, communicate and make digital images in visual culture. This class emphasizes an experimental and conceptual approach to digital image making. Students will be challenged to develop their own visual language and to create unique aesthetic and conceptual experiences to communicate with viewers. This class will consist of lectures, software demonstrations, digital camera demonstrations, studio lighting demonstrations, image making exercises, projects, and readings. Students are evaluated based on their contribution to class discussions, critiques, and their aesthetic, technical, and conceptual development in regards to their digital image making practices.

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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

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 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

PGY 4940C  Photography: Personal Directions  
3 sh (may be repeated for up to 9.000 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.

** PHC-Public Health Concen Courses **

PHC 2082  Informatics and Your Health  
3 sh (may not be repeated for credit) 
Multi-disciplinary exploration of the nature of information - how it is represented, processed, shared, preserved, and protected in tools and applications directly linked to your health and the health of our planet. Identifies enduring principles; examines impacts on individuals and society; provides practice with a variety of digital technologies and data collection strategies; addresses interpreting results of and concerns in human subject research. This course helps students develop integral professional and technical skills, including presentation of ideas through written and verbal communication, within an informatics framework. Students will have the opportunity to focus on a particular technology company or issue as a mechanism for developing critical thinking and teamwork skills.
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 affect 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. Permission is required. Credit may not be received in both PHC 4101 and PHC 4100.

PHC 4109  Diseases in Human Populations  
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.

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 simulate 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. Permission is required. Offered concurrently with PHC 5351; graduate students will be assigned additional work.

PHC 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

PHC 5050  Biostatistics for Public Health  
3 sh (may not be repeated for credit)

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 same 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 pre-requisite 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  Biological 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.
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)  
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 5442  Global Health  
3 sh (may not be repeated for credit)  
The course will introduce students to the main concepts of the public health field and the critical links between global health and social and economic development. Students will get an overview of the determinants of health, and how health status is measured. Students will also review the burden of disease, risk factors, and key measures to address the burden of disease in cost-effective ways. The course will review specific topics related to the most important communicable and non-communicable diseases as well as issues related to food distribution, reproductive health and other global major health concerns with an important focus on low- and middle-income countries and on the health of the poor. We will also discuss cross-cutting global health issues such as poverty and equity, human rights and ethical issues in public health; globalization and health and complex emergencies.

PHC 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)
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. Credit may not be received in both PHC 6300 and PHC 6018.

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. Students in MPH degree program, and need special permission from instructor.

PHC 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
PHI 2010  Introduction to Philosophy  
3 sh (may not be repeated for credit)  

PHI 2103  Critical Thinking  
3 sh (may not be repeated for credit)  
This course will introduce students to the fundamentals of critical thinking, argument, conceptual analysis and evidence. Students will learn how to think critically, read actively, and write persuasively across a variety of contexts. Appropriate for and applicable to any major. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement.

PHI 2603  Ethics in Contemporary Society  
3 sh (may not be repeated for credit)  
Explores the fundamental problems of Western ethics, the classical and Judeo-Christian traditions, modern ideals of the good for the individual business, politics and the environment. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement.

PHI 3130  Modern Logic  
3 sh (may not be repeated for credit)  
Training and skills of modern symbolic logic and their application to evaluation of arguments. Propositional logic, predicate logic.

PHI 3160  Philosophy of Mind  
3 sh (may not be repeated for credit)  
Introduces and examines proposed theories, from philosophy as well as the brain and behavioral sciences, regarding various aspects of the mind-body problem: mental representation, consciousness, mental imagery, innateness, the language of thought and the computer model of the mind, etc. Meets Gordon Rule Writing Requirement.

PHI 3320  Philosophy of Science  
3 sh (may not be repeated for credit)  
Concepts and types of explanation used in sciences. May include differences between natural and social sciences, inductive reasoning and scientific explanation, and relation of science to society.
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"?.

PhI 3500  Metaphysics: Furniture of the Universe
3 sh (may not be repeated for credit)
Metaphysics is the study of everything. Hence this course is about
all the stuff in the universe, and perhaps even some stuff not in
the universe. It would probably be fair to say that metaphysics is
centered with identifying what the furniture of the universe is.
Additionally, metaphysicians worry about not just what the actual
furniture of the universe is, but what are the possible kinds of furniture
that may populate the universe. Metaphysics also seeks to uncover the
fundamental principles that govern reality (and possible ?realities?).
Due to the vastness of the domain of metaphysical topics, we will
restrict our attention to a small sample of topics?ones that are, or
should be, near and dear to us for they bear on our lives as citizens
of the universe. For example, do you have free will? Do you have
a mind? Do numbers exist? Is time travel possible? What is time,
anyway? Are there naturally occurring categories of stuff in the
universe? Could the world have turned out differently than it did? A
well rounded background in philosophy includes, among other things,
conversance with central topics in metaphysics; this course aims to
provide just that. Offered Fall and Spring semester only. Meets Gordon
Rule Writing Requirement.

PhI 3640  Environmental Ethics
3 sh (may not be repeated for credit)
Introduces students to issues and problems in the field of
environmental ethics. Theories of value are investigated in the effort
to clarify the interrelations between humanity and nature. Discussions
concerning the moral status of the non-human community will not be
restricted to debates over value theory alone, but will also encompass
metaphysical issues that bear upon environmental problems.

PhI 3670  Ethics
3 sh (may not be repeated for credit)
Philosophical theories concerning nature of the good, moral obligation,
human excellence and application of ethical theory to problems of the
individual in relation to society.

PhI 3700  Philosophy of Religion
3 sh (may not be repeated for credit)
Problem of religious language. Arguments for atheism and existence
of God. Phenomenology of religious experience. Problems of evil and
nature of God. Theories of immortality. Meets Gordon Rule Writing
Requirement.

PhI 3800  Philosophy of Art
3 sh (may not be repeated for credit)
Creative process-artist and peripient. Various art forms: painting,
sculpture, architecture, literature, theatre, music. Theories of
evaluation. Artist and community; commercialism, propaganda and
pornography.

PhI 3880  Philosophy of Film
3 sh (may not be repeated for credit)
Investigates the major theoretical and conceptual issues surrounding
the art of film. Philosophical concepts underlying film theories such as
realism, formalism, hermeneutics, and structuralism will be examined
and applied to cinematography, editing, sound, and mise en scene.
Other conceptual issues may include perception, representation,
narrative, and ideology.

PhI 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PhI 4300  Theory of Knowledge
3 sh (may not be repeated for credit)
Various theories of relation between human knowledge and reality;
empirical, rationalistic, linguistic and phenomenological. Meets Gordon
Rule Writing Requirement.

PhI 4633  Biomedical Ethics
3 sh (may not be repeated for credit)
Designed to introduce students to the moral and conceptual
foundations of ethics, to various ways of analyzing selected problems
in the field, and applications of various theories to the professions.

PhI 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PhI 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PhI 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**PHM-Philosophy of Man Soc Courses**

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.

PhM 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PhM 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

**PHP-Philosophers 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.

PHP 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
PHY-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. Satisfies Florida Common Core Natural Sciences requirement.

PHY 1020L  Introduction to Concepts in Physics Laboratory
1 sh (may not be repeated for credit)
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.

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. Satisfies Florida Common Core Natural Sciences requirement.

PHY 2048C  University Physics I - Studio
5 sh (may not be repeated for credit)
Prerequisite: MAC 2311
University Physics I - Studio course is intended for physical science majors and engineers, and designed to be taken as a sequence with University Physics II (PHY 2049). This is a calculus based physics course. The principal topics covered in this course are mechanics-the science of motion- (kinematics and dynamics) of particles and rigid bodies including the laws of motion, conservation laws and principles, gravity, oscillations, fluid statics, and Thermodynamics. Satisfies Florida Common Core Natural Sciences requirement.

PHY 2048L  University Physics I Lab
1 sh (may not be repeated for credit)
Prerequisite: PHY 2048*
Co-requisite: PHY 2048
Selected experiments in mechanics, oscillatory motion, and heat. Satisfies Florida Common Core Natural Sciences requirement.

PHY 2049  University Physics II
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312 AND PHY 2048
Continuation of PHY 2048. Electrostatics and magnetism; basic electric circuits; optics; selected topics in modern physics. Satisfies UWF Breadth requirement in Natural Sciences.

PHY 2049C  University Physics II with Lab
6 sh (may not be repeated for credit)
Prerequisite: MAC 2312 AND PHY 2048C
University Physics II is the second of a two-semester sequence of physics topics chosen as an introduction to this science. This is a calculus-based physics course. The topics covered will be electricity and magnetism, basic electric circuits, electromagnetic waves, and optics. University Physics II is designated as a General Education course. The General Education 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. This course has been approved as meeting the requirement in Natural Sciences. The General Education learning outcomes for this course are Problem Solving and Quantitative Reasoning. Satisfies UWF Breadth requirement in Natural Sciences.

PHY 2049L  University Physics II LAB
1 sh (may not be repeated for credit)
Prerequisite: PHY 2048L AND PHY 2049*

PHY 2053  General Physics I
3 sh (may not be repeated for credit)
Prerequisite: MAC 1105 OR MAC 1114 OR MAC 2311
Mechanics, heat, waves, and sound. Satisfies Florida Common Core Natural Sciences requirement.

PHY 2053L  General Physics I Laboratory
1 sh (may not be repeated for credit)
Selected experiments in mechanics, oscillatory motion, and heat.

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. Satisfies UWF Breadth requirement in Natural Sciences.

PHY 2054L  General Physics II Laboratory
1 sh (may not be repeated for credit)
Prerequisite: PHY 2053L AND PHY 2054*
Selected experiments in optics, electricity, and magnetism.

PHY 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PHY 3106  Modern Physics I
3 sh (may not be repeated for credit)
Prerequisite: PHY 2049
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 2049/L
Selected experiments in modern physics and optics. Material and supply fee will be assessed. A minimum grade of a C or better is required for all prerequisite courses.
PHY 3107  Modern Physics II  
3 sh (may not be repeated for credit)  
Prerequisite: MAP 2302 AND 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. A grade of C or better is required for all prerequisite courses.

PHY 3220  Intermediate Mechanics  
4 sh (may not be repeated for credit)  
Prerequisite: MAP 2302* AND PHY 2048  
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: PHY 2049  
Geometrical, physical, and modern optics. Polarization, interference, diffraction, holography, and optical fibers. A grade of C or better is required for all prerequisites.

PHY 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

PHY 4323  Electricity and Magnetism I  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2313 AND MAP 2032 AND PHY 2049 AND PHZ 4113  
Electrostatics, Gauss's Theorem, magnetic fields, Biot-Savart Law, electromagnetic induction, introduction to Maxwell's Equations, and electromagnetic waves. A grade of C or better is required for prerequisite courses.

PHY 4325  Electricity and Magnetism II  
3 sh (may not be repeated for credit)  
Prerequisite: PHY 4323  
Continuation of PHY 4323 Electricity & Magnetism I, 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. A grade of C or better in pre-requisite courses is required.

PHY 4445  Lasers and Applications  
3 sh (may not be repeated for credit)  
Prerequisite: PHY 3424 AND PHZ 4113  
Introduction to lasers and applications covering topics on nature of light, photons, elements of semi-conductor physics, modulation of light, displays, laser principles, types of lasers and their design, photodetectors, fiber optics, optical communications. A grade of C or better is required for all prerequisite courses.

PHY 4513  Thermodynamics and Kinetic Theory  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2313 AND PHY 2048 AND PHZ 4113*  
Laws of thermodynamics, thermodynamic potentials, kinetic theory of gases, Maxwell-Boltzman distribution, introduction to Bose Einstein and Fermi-Dirac statistics. A grade of C or better is required for all prerequisite courses.

PHY 4604  Quantum Theory I  
3 sh (may not be repeated for credit)  
Prerequisite: PHY 3107 AND PHZ 4113  
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. A minimum grade of a C or better is required for all prerequisite courses.

PHY 4605  Quantum Theory II  
3 sh (may not be repeated for credit)  
Prerequisite: PHY 4604  
This is the second semester of a 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. Offered Spring semester only.

PHY 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

PHZ 3108L  Intermediate-Level Physics Problems  
1 sh (may not be repeated for credit)  
Prerequisite: PHY 2049  
Practicum in the art of solving problems across the physics curriculum. Intended to bridge introductory university physics to the upper-level physics core. A grade of C or better is required for all prerequisite courses.

PHZ 4113  Mathematical Physics I  
3 sh (may not be repeated for credit)  
Prerequisite: MAC 2312 AND MAC 2313*  
Algebra of complex numbers, Taylor series, linear algebra, vector algebra and calculus, and curvilinear coordinates. A grade of C or better is required for prerequisite courses.

PHZ 4114  Mathematical Physics II  
3 sh (may not be repeated for credit)  
Prerequisite: MAP 2302 AND PHZ 4113  
Fourier series, special functions, boundary value problems, partial differential equations, series solutions, and integral transforms. A grade of C or better is required for prerequisite courses.  
* This course may be taken prior to or during the same term.
**PLA-Paralel/Legal As/Legal Adm Courses**

**PLA 2013  Survey of American Law**
3 sh (may not be repeated for credit)

Study of American law, focusing on why there are laws, as well as who makes and enforces the laws. Covers what is commonly known as "everyday law," that is, how law affects us in our daily lives. Credit may not be earned in both PLA 2057 and PLA 2013. Satisfies UWF Breadth requirement in Social Sciences.

**PLA 3020  Law and Society**
3 sh (may not be repeated for credit)

Exploration of how the legal system interacts with social issues, such as the death penalty, domestic violence, slavery, abortion, and lifestyle choice. Credit may not be earned in both PLA 3691 and PLA 3020.

**PLA 3021  Law and Film: Fact or Fiction**
3 sh (may not be repeated for credit)

Films may capture not only facts, but also emotions that occur in the pursuit of justice. 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 3103  Legal Research and Writing**
3 sh (may not be repeated for credit)

Prerequisite: PLA 2013

Introduces the student to the sources, tools and techniques of legal research and writing including, but not limited to, primary and secondary sources covering judicial, legislative and executive branches. Permission is required. Credit may not be earned in both PLA 3103 and PLA 4103.

**PLA 3240  Alternative Dispute Resolution**
3 sh (may not be repeated for credit)

Introduces students to different alternative dispute resolutions (ADR) methods as a means of peacefully communicating with another person regarding a conflict and working together to find a solution in an appropriate manner. Eight basic methods of ADR, and several hybrids, will be explained in detail. Presents ADR against the backdrop of traditional litigation, which offers a more formal, and generally more costly, method of resolving disputes. Asks students to evaluate disputes and disputants and to select the most appropriate method for resolving a matter.

**PLA 3429  Contracts and Business Entities**
3 sh (may not be repeated for credit)

Overview of contract law, and law related to business entities such as corporations, partnerships, and sole proprietorships.

**PLA 3471  Employment Law**
3 sh (may not be repeated for credit)

Designed for students interested in the subject of employment discrimination from many approaches: as a practitioner in the legal field, as an employer, as an advisor to employers, as an employee, or as an advisor to employees. The focus will be on the basic laws of employment discrimination, the means and methods of seeking the protections of those laws, and the means and methods of employers assuring compliance with the laws.

**PLA 3583  Cyber Law**
3 sh (may not be repeated for credit)

Legal aspects of the law related to the Internet, including intellectual property rights, online jurisdictional issues, privacy and the first amendment in an online world, domain name rights, and e-commerce.

**PLA 3613  Property Law and Transactions**
3 sh (may not be repeated for credit)

Covers contracts for the sale of land, forms, or real estate ownership, steps involved in a real estate transaction, drafting of leases, purchases, and sales agreements, drafting of mortgages and notes, drafting of deeds, preparing and executing a complete real estate closing and preparing a title search and real estate abstract.

**PLA 3703  The Legal System and Ethics**
3 sh (may not be repeated for credit)

Applications of legal studies. Students will explore options in legal studies, professional development, and legal ethics. Credit may not be received in both PLA 3703 and PLA 3700.

**PLA 3806  Family Law**
3 sh (may not be repeated for credit)

Law of family relations including marriage, divorce, support, property division, custody, paternity, adoption, and annulment. Credit may not be earned in PLA 3806 and either PLA 3800.

**PLA 3905  Directed Study**
1-12 sh (may be repeated indefinitely for credit)

**PLA 3948  Service Learning Field Study II**
1-3 sh (may be repeated for up to 4.000 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 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. Meets Gordon Rule Writing Requirement.

**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 be repeated for up to 6.000 sh of 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. Credit may not be received in both PLA 4277 and PLA 4273.

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. Credit may not be received in both PLA 4306 and PLA 4304.

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 4554  Environmental Law and Jurisprudence  
3 sh (may not be repeated for credit)  
The evolution of both American and international environmental law is explored through a review of the basic, existing environmental laws and regulations, with a jurisprudential/philosophical look at the underlying issues and principles of environmental law, using an interdisciplinary approach.

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. Credit may not be received in both PLA 4607 and PLA 4601.

PLA 4843  Immigration Law  
3 sh (may not be repeated for credit)  
PLA 4885  Constitutional Law for the Legal Professional  
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. Credit may not be received in both PLA 4885 and PLA 4880.

PLA 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

PLA 4933  Special Topics in Legal Studies  
3 sh (may be repeated for up to 12.000 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 not be repeated for credit)  
Prerequisite: PLA 3103 AND PLA 3703 AND PLA 4204 AND PLA 4263  
Individual field experience in law-related offices including private attorneys, public agencies, and alternative dispute resolution firms. Graded on a satisfactory/unsatisfactory basis only. The student intern works under the overall supervision of a licensed attorney at the internship placement site. Permission is required.

PLA 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
* This course may be taken prior to or during the same term.

## POR-Portuguese Courses

POR 1905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

POR 2905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

POR 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

## POS-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. Satisfies Florida Common Core Social Sciences requirement.

POS 3013  Professional Development  
1 sh (may not be repeated for credit)  
This course prepares students with the necessary skills to succeed in the workplace after graduation. Emphasis will be placed on becoming familiar with the various industries that value degrees in political science, international studies, and pre-law. Students will become familiar with the vast body of political science literature, develop scientific communication skills, and also learn practical skills such as how to write a good resume, and navigating the professional world of interviews and networking. An in-class quiz may be given on the reading. This course will host various guest speakers.

POS 3033  Analyzing Issues in American Politics  
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 3235  Politics and Media
3 sh (may not be repeated for credit)
This course will study several major questions about the role of the media in society, and specifically in politics. Readings will address the media's purpose in society as the fourth branch of government; ownership and regulation of the media; legal protections for free speech; and the process of news production. In addition, readings and class assignments will explore special topics related to the media. What is the history and future of the media in a changing technological environment? How are elections and public policy decisions impacted by the media? How does the media influence us individually? What are the effects of negativity in the media? How can one detect bias in the media, and how can one recover from its effects? Additionally, readings and assignments will explore the production of foreign affairs news coverage and its impact on voters.

POS 3270  Elections and Campaigning
3 sh (may not be repeated for credit)
This course is designed to introduce students of American politics to the practical side of campaigns and elections. The class will undertake an extensive examination of the local, state, and national elections to be held during the fall by focusing on candidates, parties, interest groups, and the media as well as some of the new influences in elections such as political consultants and pollsters. The focuses on the electoral process as well as the primary and general phases of American elections.

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 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 3613  Constitutional Controversies
3 sh (may not be repeated for credit)
The American Founders established a Supreme Court to resolve all cases and controversies arising under the federal Constitution and its subsequent laws and treaties. This Court would serve primarily as an appellate tribunal, a court of last resort, reviewing and remanding, reversing or upholding the rulings of lower courts in both the federal and state judiciaries. In this course we will examine those elements of the appellate process on constitutional law, including the Court's review of petitions of certiorari, of merits briefs and the corresponding amici briefs and oral argument.

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 form 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 examine 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 4602  The Founders' Constitution
3 sh (may not be repeated for credit)
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. This course is offered concurrently with POS 5637; graduate students will have additional work.

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
POS 4941  Internships
1-6 sh (may not be repeated for 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 5355  Contemporary Political Philosophy
3 sh (may not be repeated for credit)
This course explores contemporary political philosophy through the lens of the theoretical pursuit of happiness in a scientific age. This course is interdisciplinary in nature, drawing from philosophy, film, and literature to understand modern man. Reading Thomas More's Utopia, S. Lewis' The Abolition of Man, Aldous Huxley's Brave New World, and other works, students will explore the American infatuation with scientific progress and the implications for our self-understanding and our shared sociopolitical understanding of the good life. Offered concurrently with POT 4354; graduate students will be assigned additional work.

POS 5637  The Founders' Constitution
3 sh (may not be repeated for credit)
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. This course is offered concurrently with POS 4602; graduate students will have additional work.

POS 5939  Special Topics
3 sh (may not be repeated for credit)
The topics for this course will vary based on faculty expertise and learning opportunities. However, this course is designed to guide students through political science scholarship. Students will develop research designs to test theoretically-driven hypotheses using primary or secondary data. The research paper assignment and oral presentation will require students to analyze the results of this design and communicate findings to an appropriate audience.

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  Seminar in American Politics
3 sh (may not be repeated for credit)
Course content includes an overview of the institutions and processes of the American political system, the trend and tendencies of political behavior, and the diverse theoretical understandings of American government in the world of political science. Focus is on understanding and critically evaluating interpretations of the structure and function of our governmental system, including: the three branches of government, elections, political socialization and civic engagement, representation, political parties, and interest mobilization.

POS 6116  State and Local Government Principles and Practices
3 sh (may not be repeated for credit)
This course will focus on variation in the way state and local governments are designed to work and the way levels of government interact. We will begin by reviewing the powers granted to the states in the Constitution. We will compare state constitutions and look at their similarities and differences. We will take a detailed look at state governments, particularly state legislatures, governors, and state courts; and local governments and party organizations. We will also compare states and localities in the context of policy on education, health care, crime, and the environment.

POS 6704  Political Science Research Methods
3 sh (may not be repeated for credit)
Methods and logic of research in political science. POS 6704, Political Science Research Methods provides students with the knowledge and skills required to analyze and critique, as well as design, applied research in public policy and public affairs. The course introduces the student to the enterprise of academic research in these areas, provides the student with knowledge and understanding of the various philosophical and methodological approaches to applied research and allows the student to develop and hone analytical skills. Accepted social science research designs will be introduced and an analysis of threats to the validity and reliability of these different designs will be considered. Sampling theory and statistical analysis will be introduced.

POS 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
POS 6940  Internship
1-6 sh (may not be repeated for credit)
The Department of Government encourages students to intern at governmental and non-profit agencies, as well as selected private-sector 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 12,000 sh of credit)
Graded on satisfactory / unsatisfactory basis only. Permission is required.

POT-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 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. Graduate course POT 5016 will have additional work. Course only offered Fall semester.

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 4354    Contemporary Political Philosophy
3 sh (may not be repeated for credit)
This course explores contemporary political theory through the lens of the theoretical pursuit of happiness in a scientific age. This course is interdisciplinary in nature, drawing from philosophy, film, and literature to understand modern man. Reading Thomas More's Utopia, S. Lewis's The Abolition of Man, Aldous Huxley's Brave New World, and other works, students will explore the American infatuation with scientific progress and the implications for our self-understanding and our shared sociopolitical understanding of the good life. Offered concurrently with POT 4354; graduate students will be assigned additional work.

POT 5016    Seminar in Political Theory
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. Offered Fall semester only.

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 5355    Contemporary Political Philosophy
3 sh (may not be repeated for credit)
This course explores contemporary political philosophy through the lens of the theoretical pursuit of happiness in a scientific age. This course is interdisciplinary in nature, drawing from philosophy, film, and literature to understand modern man. Reading Thomas More's Utopia, S. Lewis's The Abolition of Man, Aldous Huxley's Brave New World, and other works, students will explore the American infatuation with scientific progress and the implications for our self-understanding and our shared sociopolitical understanding of the good life. Offered concurrently with POT 4354; 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.

POT 6905    Directed Study
1-12 sh (may be repeated indefinitely for credit)

PPE-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.

PPE 4905    Directed Study
1-12 sh (may be repeated indefinitely for credit)

PPE 5905    Directed Study
1-12 sh (may be repeated indefinitely for credit)

PSB-Psychobiology Courses

PSB 4002    Brain, Behavior, and Experience
3 sh (may not be repeated for credit)
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, malfunctions of the mind.
PSB 4731  Psychobiology of Sexual Behavior  
3 sh (may not be repeated for credit)  
Prerequisite: BSC 1005/L AND DEP 2004 AND PSY 2012  
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.

PSB 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

PSB 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 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

PSB 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

**PSY-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. Satisfies Florida Common Core Social Sciences requirement.

PSY 2023  Professional Development in Psychology  
3 sh (may not be repeated for credit)  
This course will provide students with an overview of the discipline of psychology, including expectations for the psychology major, career options for students completing a bachelor degree in psychology, and career options for students who pursue a graduate degree in psychology. Skills required for library research, writing in the style of the American Psychological Association, professional communication, and ethical and professional issues will be discussed. Must earn a C or higher to pass the course.

PSY 2905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

PSY 3213  Research Methods in Psychological Science I  
3 sh (may not be repeated for credit)  
Prerequisite: PSY 2012 AND 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 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 its contributions to traditional research and practice areas in psychology. Specific emphasis is on the applied positive psychology perspective of the pursuit of the good life, health and well-being, positive psychology at work, clinical psychology and psychotherapy, and positive development across the lifespan. Meets Gordon Rule Writing Requirement. Meets Multicultural Requirement.

PSY 3860  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 its contributions to traditional research and practice areas in psychology. Specific emphasis is on the applied positive psychology perspective of the pursuit of the good life, health and well-being, positive psychology at work, clinical psychology and psychotherapy, and positive development across the lifespan.

PSY 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  

PSY 3948  Service Learning Field Study II  
1-3 sh (may be repeated for up to 4.000 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 4.000 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. Credit may not be received in both PSY 4302 and PSY 4383.

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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PSY 4930  Capstone in Psychology: Special Topics
3 sh (may not be repeated for credit)
Prerequisite: PSY 5016
The objectives of the capstone courses will provide students an opportunity to: 1) study a target area in psychology in depth 2) integrate knowledge and skills across courses, and 3) prepare an effective pursuit strategy for a meaningful psychology-related career. Student must earn a C or higher to pass the course.

PSY 4990  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

PSY 6917  Supervised Research
1-3 sh (may be repeated for up to 12.000 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 3 sh 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 12.000 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 3 sh 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 12.000 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 36.000 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 18.000 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.

* This course may be taken prior to or during the same term.

PUP-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 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.

PUP 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
PUP 5045 Analytic Techniques for Public Policy Analysis
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 4044; graduate students will be assigned additional work.

PUP 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

**PUR-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.

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 3905 Directed Study**
1-12 sh (may be repeated indefinitely for credit)

**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 3000 Principles of 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-tapped exercises.

**PUR 4600 Communication Management**
3 sh (may not be repeated for credit)
Prerequisite: PUR 3000
Capstone course for public relations and advertising majors. Emphasis on case study analysis and the management of integrated communication programs. Senior status required.

**PUR 4801 Public Relations Campaigns**
3 sh (may not be repeated for credit)
Prerequisite: PUR 3000 AND 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. Credit may not be received in both PUR 4801 and PUR 4802.

**PUR 4905 Directed Study**
1-12 sh (may be repeated indefinitely for credit)

**PUR 4930 Current Issues and Trends in Public Relations**
3 sh (may not be repeated for credit)
Prerequisite: PUR 3000 AND 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.

PUR 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

QMB-Quantitative Methods in Business Courses

QMB 3820  Introduction to Quantitative Models for Business Decisions
3 sh (may not be repeated for credit)
Prerequisite: MAC 2233 OR ISM 3011
Formulation and application of mathematical models in business decision making scenarios. Focuses on a system modeling view of resources, constraints and objectives. Credit can only be earned for one of these three courses: MAN 3540, MAN 3550 and ISM 3XX1.

QMB 6305  Quantitative Methods for Business
3 sh (may not be repeated for credit)
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.

REA-Reading Courses

REA 1905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

RED-Reading Education Courses

RED 3310  Literacy Instruction for the Intermediate Learner
3 sh (may not be repeated for credit)
Prerequisite: LAE 3314
This course prepares the pre-service teacher for effective literacy instruction in the intermediate grades. Learning activities focus on research based instructional approaches that incorporate the major components of reading, including word study, guided reading, and guided writing. Additionally, students will examine standards based instruction that provides appropriate accommodations for students with special needs. This course meets the requirements for Florida Reading Endorsement Competency 2.

RED 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
RED 4542C  Assessment and Differentiated Instruction in Reading
3 sh (may not be repeated for credit)
Prerequisite: LAE 3314 AND RED 3310
This course prepares the pre-service teacher in the areas of differentiated reading and language arts instruction based on appropriate assessment practices. A major component of this course is building capacity with regard to providing individualized instruction in the areas of reading, writing, speaking, and listening. This course meets the requirements for Competencies 3 and 4 of Florida’s Reading Endorsement.

RED 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

RED 5515  Classroom Reading Assessments
3 sh (may not be repeated for credit)
This course is designed to provide an exploration into the theory and practices of informal reading assessments appropriate for the K-12 classroom teacher. During this course, students will administer, analyze, and interpret a variety of informal reading assessments in their respective classrooms. Students will identify a struggling reader, develop a remedial, individualized plan based on the student’s reading needs, and provide immediate intensive instruction based on data from the informal assessments previously administered in the class. This course is required for students in the Reading Education M.Ed. program and for those seeking reading endorsement.

RED 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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 6240  Differentiating Instruction
3 sh (may not be repeated for credit)
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
Course work with required clinical experience to develop competence in determining causes and degrees of reading disabilities and identifying appropriate corrective or remedial instruction to meet the specific needs of students.

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.

RED 6866  Reading Practicum
3 sh (may not be repeated for credit)
Prerequisite: RED 6240
Provides practical experience in increasing the reading performance of K-12 students with the prescription and utilization of appropriate strategies and materials. Requires demonstration of knowledge in the prevention, identification and remediation of reading difficulties.

RED 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
RED 7247 The Organization and Administration of Reading Programs
3 sh (may not be repeated for credit)
Explores the role of the reading supervisor in organizing and implementing reading programs from the pre-elementary through the college level.

REE-Real Estate Courses
REE 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

REL-Religion Courses
REL 1300 World Religions
3 sh (may not be repeated for credit)
Broad understanding of the major religious traditions. May include Judaism, Christianity, Hinduism, Buddhism, Islam and others. Comparative study of similarities and differences among these traditions. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement.
REL 2905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
REL 3142 New Perspectives on the Religious Self
3 sh (may not be repeated for credit)
Focus on selected understandings of the nature of the self as a religious being. Various models of the self will be examined.
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 Gordon Rule Writing Requirement. Meets Multicultural Requirement.
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. Meets Gordon Rule Writing Requirement.
REL 3241 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. Meets Gordon Rule Writing Requirement.
REL 3310 Philosophies of the East
3 sh (may not be repeated for credit)
REL 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
REL 3948 Service Learning Field Study II
1-3 sh (may be repeated for up to 4.000 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 4240 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 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.
REL 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
RTV-Radio/Television Courses
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. Credit may not be received in RTV 3210 and either RTV 3210C or RTV 3240C.
RTV 3301 Broadcast Journalism
3 sh (may not be repeated for credit)
Principles and techniques of radio and television news operation. Credit may not be received in both RTV 3301 and RTV 3304.
RTV 3400 History of Television
3 sh (may not be repeated for 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 3511  Electronic Field Production
3 sh (may not be repeated for credit)
Prerequisite: RTV 3533
Principles and techniques of basic electronic field production for video, film, CD-ROM, and the Internet. Credit may not be received in both RTV 3511, 3320 and RTV 3320C.

RTV 3533  Television Production
3 sh (may not be repeated for credit)
Studio operations and equipment; theoretical and technical aspects of television production. Credit may not be received in both RTV 3200, 3533 and RTV 3200C.

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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

RTV 3942  Practicum: Television News
3 sh (may not be repeated for credit)
Prerequisite: ((RTV 3200 AND RTV 3320)) AND (JOU 2100 OR FIL 4102)
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 AND 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 4332  Documentary Television Practicum
3 sh (may not be repeated for credit)
Prerequisite: (RTV 3511 OR RTV 3320) AND (RTV 3200 OR RTV 3533)
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.

RTV 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

RTV 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SCE 4905  Directed Study
3 sh (may not be repeated for credit)

RTV 4221  Advanced Television Production
3 sh (may not be repeated for credit)
Prerequisite: RTV 3200 AND 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 4332  Documentary Television Practicum
3 sh (may not be repeated for credit)
Prerequisite: (RTV 3511 OR RTV 3320) AND (RTV 3200 OR RTV 3533)
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.

RTV 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

RTV 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

RUS-Russian Language Courses

Religion Graduate Courses

RLG 6905  Directed Study
1-12 sh (may not be repeated for credit)

SCE-Science Education Courses

SCE 4310  Teaching Science in the Elementary School
3 sh (may not be repeated for credit)
This course incorporates current research and best practices in science education to prepare prospective teachers to foster meaningful science learning in the elementary (K-6) classroom. In the course, prospective teachers reflect on and develop their competence in the three dimensions of science learning, and their understanding of the nature of science. They also explore subject-specific pedagogy with an emphasis on planning inquiry-based instruction that engages elementary learners in experiencing and explaining phenomena, and builds on their prior knowledge. Furthermore, the course develops prospective teachers? awareness of strategies to assess science learning, and promote equitable participation of underrepresented populations in science learning experiences. A material and supply fee is assessed for an elementary science materials kit.

SCE 4320  Teaching Science in the Middle and Secondary Schools
3 sh (may not be repeated for credit)
Theory and methods of teaching science in the middle and secondary schools; explores current research on approaches in teaching and learning science; examines the practice of science, disciplinary core ideas in specific science disciplines of choice (i.e. Biology, Earth/Space, Chemistry, Physics), and crosscutting themes in science; compares various models of teaching (i.e. direct instruction, inquiry, project-based learning); includes practices to effectively move student thinking toward meaningful understanding focusing on best practices in STEM disciplines.

SCE 4905  Directed Study
3 sh (may not be repeated for credit)

SCE 5837  Structure of the Earth
3 sh (may not be repeated for credit)
Examines the physical composition of our planet and the forces both internal and external that continuously shape it. Is cross-disciplinary when appropriate and especially designed for secondary school teachers currently teaching or preparing to teach courses in middle and high school Earth sciences. Combines technical explanations of geologic processes and phenomena with an explanation of the physical composition of matter, minerals, and rock types. 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. Credit may not be received in both SCE 5837 and SCE 5835.

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. Credit may not be received for both SCE 6017 and SCE 6117.
SCE 6265 Science Instruction in the Middle and Secondary School
3 sh (may not be repeated for credit)
Prerequisite: 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. Material and Supply Fee will be assessed.

SCE 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)
* This course may be taken prior to or during the same term.

SDS-Student Develop 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.

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, interview, and referral skills.

SDS 6905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

SLS-Student Life Skills Learn Courses

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 2905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 not be repeated for 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. Permission is required. Offered Fall semester only.

SOP-Social Psychology Courses

SOP 3004 Social Psychology
3 sh (may not be repeated for credit)
Survey of theory, method, and research results in areas of social psychology, such as attitude formation and change, social perception/cognition, impression formation, social influence, interpersonal attraction and relationships, aggression and pro-social 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. Meets Multicultural Requirement.

SOP 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 2.000 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 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 
SOP 6069  Advanced Social Psychology  
3 sh (may not be repeated for credit) 
Students must take SOP 3004 before enrolling in this course. 
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: SOP 6669 
Organizational development: change agentry, role of self in O.D., change theory, feedback methodology, relationship building, team building and quality, Lab learning methodology. 
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. 
SOP 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

**SOW-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. Satisfies UWF Breadth requirement in Social Sciences. 
SOW 3103  Human Behavior in Social Environment  
3 sh (may not be repeated for credit) 
Prerequisite: BSC 1005 OR BSC 1085 OR BSC 1086 
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. Introductes 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, familial, 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. 
SOW 3350  Interviewing and Recording  
3 sh (may not be repeated for credit) 
Practice in interviewing techniques and in precise, descriptive, and accurate writing techniques for practitioners in social work, psychology, and other helping professions. Students will learn interview techniques, how to record sessions accurately and in formats required for opening, transferring, updating and closing a social work client record. Students will learn American Psychological Association writing guidelines. Meets Gordon Rule Writing Requirement.
SOW 3503  Introduction to Generalist Practice
3 sh (may not be repeated for credit)
Prerequisite: SOW 3203 AND 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 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 3783  Human Trafficking
3 sh (may not be repeated for credit)
The purpose of this course is to educate social work students
on human trafficking and develop a framework for professional
intervention. This course is designed to examine the human trafficking
phenomenon of modern day slavery of men, women, and children.
Course content will include the examination of domestic and
international policy, the differences in labor and sexual trafficking, and
the scope and prevalence of human trafficking as an international
concern. The socio-political, cultural, and economic issues that
contribute to the increased phenomenon of trafficking with women and
children will be explored as well as the traumatic effects on victims,
families, and the community. The social workers role in providing
intervention and advocacy services will be explored.

SOW 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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  Introductory 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 AND 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. Meets
Multicultural Requirement.

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. Offered
concurrently with SOW 5243; graduate students will be assigned
additional work.

SOW 4403  Social Work Research Foundations
3 sh (may not be repeated for credit)
Prerequisite: SOW 3350
Introduction to scientific strategies used to evaluate social work
practice and theory. The different strategies covered range
from participant and observational techniques, to controlled
experimentation. Ethical/value dilemmas involved in social science
research are also covered.

SOW 4510  Social Work Field Instruction
1-9 sh (may not be repeated for credit)
Prerequisite: SOW 3103 AND SOW 3113 AND SOW 3203 AND
SOW 3313 AND SOW 3322 AND SOW 3350 AND SOW 3503 AND
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. Material
and Supply Fee will be assessed.

SOW 4522  Senior Seminar
3 sh (may not be repeated for credit)
Prerequisite: SOW 3103 AND SOW 3113 AND SOW 3203 AND
SOW 3313 AND SOW 3322 AND SOW 3350 AND SOW 3503 AND
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 4679 Response to Disasters in the Community
3 sh (may not be repeated for credit)
The course is designed to provide the student with an understanding of disasters; man made and natural and their affect of the individual and community. Focus will be on preparation and response to disaster affected populations. Previous disaster responses will be critiqued in efforts to learn how to better prepare for future disasters. Basic human needs will be examined and how best a community can help to logistically provide for those needs. In addition, populations with special needs will be examined throughout all phases of the life cycle. Mental Health response will be addressed including cognitive/ emotional stages people experience following a disaster.

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. Offered concurrently with SOW 5710; graduate students will be assigned additional work.

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. Credit cannot be received for both SOW 4682 and SOW 4740.

SOW 4905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

SOW 4941 Immersive Experiences in Social Work
3 sh (may not be repeated for credit)
This course offers students an opportunity to immerse themselves in intensive experiential learning through study abroad or study away. The course examines historical, cultural, social, economic, and political aspects of terra incognita, integrating key elements of the social work profession through the lens of social, political, and economic justice. A focus on the acquisition of 21st Century skills related to career development (e.g., global awareness, initiative and self-direction, flexibility and adaptability, social and cross-cultural skills, critical thinking and problem solving, etc.) will be emphasized. Offered concurrently with SOW 5942; graduate students will be assigned additional work. Meets Multicultural Requirement.

SOW 5105 Human Behavior in the Social Environment I
3 sh (may not be repeated for credit)
This foundation year class presents a bio-psycho-socio-spiritual and ecosystems framework that introduces students to a macro, mezzo, and micro systems perspective. A major focus of the course is on the analysis of diversity within these systems as well as an examination of power and privilege. The person-in-environment framework provides students with an understanding of human adaptation and the various forces that support or impede well-being. Models for understanding human development are introduced. An overview of social functioning throughout the lifecycle within the context of the social environment is covered.

SOW 5106 Human Behavior in the Social Environment II
3 sh (may not be repeated for credit)
This is the second course in the HBSE sequence. The course deals with Human Behavior in Organizations and Communities. The course familiarizes students with the intervention strategies of community organization. Emphasis is placed on the social worker’s role as change agent and models and strategies for community organizing. Content related to values and ethics of community organization in relation to the client, the organization, and the community is covered. Intervention plans are highlighted which focus on planned change efforts and containing strong evaluation plans are utilized in working with human service agencies serving vulnerable populations.

SOW 5128 Cognitive Behavioral Therapy
3 sh (may not be repeated for credit)
Prerequisite: SOW 5305
This course focuses on cognitive behavioral therapy, clinical decision making, advanced clinical interventions, while building on a generalist approach to social work practice. The course utilizes the clinical-community concentration prerequisite and an understanding of normal development and psychopathology as a foundation for advanced practice. It examines ways in which cognitive behavioral theory and model of intervention with individuals, families and groups can be tailored to client needs. The course addresses work with clients across the life cycle who are experiencing a variety of problems and difficulties. Methods of enhancing adaptive functioning and resiliency through cognitive behavioral therapy are emphasized. Permission is required.

SOW 5149 Social Work Practice In The Military
3 sh (may not be repeated for credit)
A comprehensive and in-depth examination of the practice of military social work. The course provides a historical context and a thorough review of the specific practice of social work in the U.S. military.

SOW 5218 Analysis of Social Service Policy
3 sh (may not be repeated for credit)
This course will examine social work as a policy-based profession and how social welfare policy is a central concern to the social work profession. This course also addresses policy practice roles such as planner, administrator, policy analyst, and program evaluator. This course will review ways to improve human services delivery systems through the application of problem-solving, critical thinking, and other necessary skills.
SOW 5241  Advanced Child Welfare Practice
3 sh (may not be repeated for credit)
Elective course focusing on understanding child abuse and neglect that is designed to provide advanced direct practice (clinical) knowledge and skills necessary for working in public or private child welfare settings with multiple risk families, and in collaboration with multiple providers and systems. The course will address the historical perspective on child maltreatment, and the role of the family in today's society. Department Permission is required.

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. Offered concurrently with SOW 4242; graduate students will be assigned additional work.

SOW 5305  Generalist Practice I
3 sh (may not be repeated for credit)
This is the first course in a two-course sequence which covers generalist social work practice. This course covers basic generalist practice skills in the beginning phase of the helping process with individuals and families. Basic communication and interviewing skills essential to the helping relationship are introduced and practiced. Students learn the tasks and skills required in the beginning phase of practice: preparation, engagement, first interviewing skills and case documentation. Students learn the process of collecting relevant social, psychological, cultural, economic, and biological data from both individuals and families, as well as the process of organizing and analyzing these data for purposes of problem formulation. Case management as a form of social work is examined, along with historical and contemporary perspectives on the case management process, with a focus on advocacy roles. Throughout the course, emphasis is placed on practice skills through the use of interactive exercises and role plays utilizing case examples representative of the client populations with which the students work.

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)
This is the second course in the Generalist Practice sequence. This course continues to build the generalist skills, of practice with individuals, families, and groups, with the addition of community practice concepts. In this course the skills and intervention roles relevant to the middle and end phases of interventions with individuals, families, groups, and communities will be covered in more detail. Throughout the course emphasis will be placed on the practice and application of skills by using interactive exercises and role plays using case examples form client populations with whom students work.

SOW 5356  Play Therapy: Theory and Techniques
3 sh (may not be repeated for credit)
Students will learn the theoretical underpinnings of play therapy and the techniques by which the theory is practiced. Permission is required.

SOW 5386  Occupational Social Work
3 sh (may not be repeated for credit)
An overview of Occupational Social Work for graduate-level students including historical trends and emerging issues. The course will address the scope of Occupational Social Work practice, including strategies for macro- and micro-levels of intervention. The needs of specific populations and will be examined. The core technologies of the Employee Assistance Program (EAP) practitioner and resources for professional development will be identified. Permission is required.

SOW 5404  MSW 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)
Prerequisite: SOW 5105 AND SOW 5305 AND SOW 5404 AND SOW 5757
Co-requisite: SOW 5106,SOW 5324
This course is designed to integrate the foundation curriculum course content and field education experience utilizing a generalist approach. Agency based casework experiences and seminar discussions provide an opportunity to gain professional and peer feedback regarding acquisition of generalist practice skills. Focus will include critical thinking skills regarding the application of social work knowledge to the solution of client problems. Issues related to social work values and ethics, diversity, social and economic justice, populations-at risk, HBSE, social welfare policy and services, practice, and research are examined within the context of the student's field education experience.

SOW 5614  Domestic Violence and the Social Work Practice
3 sh (may not be repeated for credit)
An examination of the history and dynamics of intimate partner violence including a discussion of theories, various forms of domestic violence, its impact, consequences and factors that exacerbate violence. Prevention and intervention strategies will be discussed along with policies that influence this social problem. Throughout the course, the focus will be to learn effective strategies that empower each family member to recover and/or change positively. The consideration of social work values and ethics, as well as the concerns of disadvantaged groups will be stressed.

SOW 5629  MSW Human Diversity and Social Justice
3 sh (may not be repeated for credit)
This course examines the impact of social, economic, and political environments on diverse populations specifically race, gender, age, ethnicity, social class, sexual orientation, gender identity, religion, and physical and mental ability. This course integrates the key elements of the social work profession through the lens of social, political, and economic justice. It includes the history, and philosophical foundations of social welfare, community organization, and social action strategies and tactics. Included are effects of cultural and group differences, the results of oppression, economic systems, and social policies on social work professional practice.
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. Offered concurrently with SOW 4700; graduate students will be assigned additional work.

SOW 5757 The History, Philosophy, and Theory of Social Work Practice
3 sh (may not be repeated for credit)

This course examines the current structure of social welfare programs in the United States, their historical evolution, and the role ideological, political, economic, and social forces have played in the development of the social welfare system and its present character focusing on social and economic injustice in the United States. Also discusses the impact of social welfare policies on clients, agencies, service delivery, and social work practice. Students are provided an overview of the historical development, philosophical orientation, basic values, principles and knowledge base, and practice of the profession. The course will examine critical social problems that impact societies with an emphasis on the quest for social justice at local, national and global levels. Various perspectives on social welfare, social work as a profession, and many of the core concepts of the profession will be introduced. Content will cover major concepts and perspectives to include issues in poverty, child welfare, criminal justice, health and mental health, values, ethics, and working with a diverse and vulnerable population of individuals and families, ethnicity, minorities, women, gays and lesbians, aging, and disabled people.

SOW 5905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

SOW 5942 Immersive Experiences in Social Work
3 sh (may not be repeated for credit)

This course offers students an opportunity to immerse themselves in intensive experiential learning though study abroad or study away. The course examines historical, cultural, social, economic, and political aspects of terra incognita, integrating key elements of the social work profession through the lens of social, political, and economic justice. A focus on the acquisition of 21st Century skills related to career development (e.g. global awareness, initiative and self-direction, flexibility and adaptability, social and cross-cultural skills, critical thinking and problem solving, etc.) will be emphasized. Offered concurrently with SOW 4941; graduate students will be assigned additional work.

SOW 6116 Evaluation and Treatment of Trauma-Related Conditions
3 sh (may not be repeated for credit)

In-depth examination into the impacts of trauma on individuals, couples, families, and communities. Specific attention is given to learning how to assess and treat individuals who have been exposed to recent or previous traumatic events. Using multiple case scenarios, participants will be introduced to empirically-supported interventions for treated Acute Stress Disorder and Post-Traumatic Stress Disorder. They will also learn about the impacts of these conditions on partner relationships and other family members. The course also outlines how to foster resiliency among these individuals and families. Department Permission is required.

SOW 6125 Psychopathology for Social Work
3 sh (may not be repeated for credit)

This course addresses patterns of human behavior and psychosocial functioning commonly conceptualized as psychopathology. The course 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 6326 Social Work Intervention with Groups
3 sh (may not be repeated for credit)

The advanced social work practitioner is required to demonstrate group skills in a wide variety of practice situations. The focus of this course is on the design and implementation of group treatment services for at risk populations of varying ages, social situations and composition. Students will be afforded the opportunity to develop a clear sense of the scope, uses and skills of group work in the social work profession. Department Permission is required.

SOW 6345 Social Work Leadership, Management and Supervision
3 sh (may not be repeated for credit)

Introduction to the values, principles and functions that provide the foundation for effective leadership and management practice in the field of social work. Students will receive an overview of styles and skills used in social work leadership, management and supervision which are appropriate to both clinical and community social work practice settings. This course will provide students with values, principles and strategies for leading teams, problem-solving, and supporting multicultural and diverse staffing in social work agencies. Department Permission is required.

SOW 6366 Advanced Play Therapy Methods
3 sh (may not be repeated for credit)
Prerequisite: SOW 5356

This course will focus on the goals of group and filial play therapy. In group play therapy, topics include the role of the play therapist, selection of group members, planning/structuring of sessions, and developmentally responsive play and expressive arts activities. In filial play therapy, also known as Child Parent Relationship Therapy (CPRT), the focus is on intervention skills designed to improve parent-child relationships using a group parent-training format. Students will be expected to use play therapy kit created during SOW 5356. Department Permission is required.

SOW 6432 Evaluation of Social Work Practice
3 sh (may not be repeated for credit)
Prerequisite: SOW 5404

The second of two required courses in the social work practice in research sequence. This advanced curriculum course builds on the knowledge and skills acquired in the foundation research course. The focus of this course is on the advanced skills necessary to effectively evaluate practice. The course utilizes single subject design and program evaluation techniques that are grounded in the social sciences and social work literature. Particular attention will be paid to the ethical issues of conducting research with oppressed and vulnerable populations.
SOW 6535 Advanced Year Field Instruction and Integrative Seminar I
3 sh (may not be repeated for credit)
Prerequisite: SOW 5532
Integrates theoretical models and concepts with practical experience gained in concurrent field education. Integrates skills and knowledge acquired through the entire social work curriculum. Material and Supply Fee will be assessed.

SOW 6536 Advanced Year Field Instruction and Integrative Seminar II
3 sh (may not be repeated for credit)
Prerequisite: SOW 6535
This is the second of two advanced master's level field internship and integrative seminars. Assists social work graduate students in integrating theoretical models and concepts with practical experience gained in concurrent field education. Integrates skills and knowledge acquired through the entire social work curriculum. Material and Supply Fee will be assessed.

SOW 6548 Advanced Seminar in Clinical Social Work Practice
3 sh (may not be repeated for credit)
Capstone course in clinical-community social work practice. Student analysis of practice with individuals, families, and group through a written and oral presentation of case material. Focus is on refinement of intervention skills relying on field practicum experience for integration of learning. Integration of knowledge from the Clinical Practice courses and Field Instruction. Students will prepare and present a case from their internship for oral presentation and demonstrate ability to organize and select appropriate treatment strategies for a specific client, family, or group. A broad range of field placements will provide diverse clients and a range of clinical issues. Students are expected to show evidence of critical thinking and self-awareness in written and oral presentations.

SOW 6609 Chronic Illness and Social Work
3 sh (may not be repeated for credit)
Exploration of chronic illness, including death, dying, life, and living, whether with respect to their own feelings, or that of clients with whom they might work, utilizing the systems perspective. We will focus on illness, care giving, the dying process, and grief and bereavement across the life span. In addition, we will consider the impact of gender, culture, religion, etc., on the topics. Furthermore, we will explore characteristics, special emphasis on resiliency, that allow us to survive, and, in fact, often thrive in the face of life’s traumas and tragic events, especially when provided with support and education. We will fulfill the goals and objectives of the course through the use of literature, videos, class discussion, presentations, guest speakers, assignments, and experiential activities. Department Permission is required.

SOW 6618 Clinical Practice I: Treatment of Individuals
3 sh (may not be repeated for credit)
Prerequisite: SOW 6618
Clinical practice builds on the knowledge base of generalist social work practice and expands and deepens that base. The course emphasizes advanced assessment of clients across the life span, trauma assessment, and beginning evaluation of practice skills. Treatment planning with individuals is stressed. Building on the generalist practice base for analyzing and interpreting bio-psycho-socio-spiritual content, interpreting and implementing professional values and ethics and utilizing the professional helping relationship, this course expands and deepens that base by introducing an advanced clinical practice base of clinical-community social work. Major contemporary theories of psychotherapy will be introduced, including cognitive-behavioral, experiential, interpersonal, and integrative therapies. We will investigate clinical processes as they are informed by psychopathology and developmental issues across the life cycle, as well as institutionalized oppression, poverty, racism, sexism, heterosexism and other inequities.

SOW 6619 Clinical Practice II: Treatment of Families
3 sh (may not be repeated for credit)
Prerequisite: SOW 6618
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 and ethics and utilizing the professional helping relationship, incorporating client preferences, utilize critical thinking skills, and apply empirical evidence to practice decisions.

SOW 6656 Child and Adolescent Treatment
3 sh (may not be repeated for credit)
Prerequisite: SOW 6656
Familiarization with a range of child and adolescent psychological disorders typically seen in social work clinical practice. Emphasis will be placed on development, diagnostic issues, theoretical formulations, causes, treatment, and research findings related to each of these conditions. The course will utilize lecture, guest speakers, videos and classroom activities. Permission is required.
SOW 6678  Grief, Loss, and Life
3 sh (may not be repeated for credit)
Introduction to the current and historical perspectives of death, dying and bereavement. This course will address experiences and responses to a variety of deaths including perinatal death, death of a child, death following a terminal illness, suicide, homicide, and military related death. The Hospice movement’s history and goals will be part of the curriculum, as well as the experience of dying well. Special attention will be given to how other cultures and religions view death and ethical dilemmas related to death. Loss is a central and inescapable dimension of the human experience. How an individual learns to deal with loss from an early age shapes the adjustment that s/he is able to make to adverse life events throughout the life cycle and indeed determines to a large extent how satisfying and creative a life that person is able to live. This course will help the social work clinician explore and understand major theories of grief and loss, as well as treat clients of all ages who are dealing with a variety of losses. It will also assist the generalist practitioner in determining those situations in which an unresolved past experience of loss is contributing to poor adjustment in the present, as well as providing guidelines for helping the client grieve in a way that allows him or her to re-establish a sense of meaning, adapt to what is gone, and move on to live with increased vitality and joy.

SOW 6714  Addictions Treatment
3 sh (may not be repeated for credit)
Discussion of the major models and approaches to treatment of addictions used today, including Harm reduction model, Bio-psycho-social-spiritual model and other evidenced based treatment approaches. Specific treatment interventions from models will be discussed throughout. Department Permission is required.

SOW 6846  Clinical Practice III: Treatment with Groups
3 sh (may not be repeated for credit)
Prerequisite: SOW 6618 AND SOW 6619

The advanced social work practitioner is required to demonstrate group skills in a wide variety of practice situations. The focus of this course is on the design and implementation of group treatment services for at risk populations of varying ages, social situations and composition. Students will be afforded the opportunity to develop a clear sense of the scope, uses and skills of group work in the social work profession.

SOW 6916  Mind/Body Practice and Positive Psychology
3 sh (may not be repeated for credit)
A focus on research from the last 25 years that has revolutionized our knowledge of brain function, its relation to overall coping, and specific practices that promote resilience and well-being. It will be an important contribution to the social work curriculum at the master’s level because it revolves around a strengths perspective that social work has always embraced, as well as teaching the advanced practitioner specific skills that s/he can use to help clients in the process of improving their lives. The course will be richly multicultural and will also include ancient wisdom from the humanities that supports this new evidence-based field of mind-body interaction. Department Permission is required.

SPC-Speech Communication Courses

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. Credit may not be received in both SPC 2608 and SPC 2016. Satisfies UWF Breadth requirement in Humanities.

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 10.000 sh of credit)
Active forensics participation through library research, topic analysis, discussion, practice and travel to intercollegiate tournaments. Permission is required. Credit may not be received in both SPC 3593 and SPC 3594.

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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 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 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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.

SPC 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

SPM-Sports Management Courses

SPM 3004  Introduction to Contemporary Sport Management  
3 sh (may not be repeated for credit)  
Introduction to the field of sport management required for all students in the major and available to students interested in working in the sport industry. Provides an overview of sport management rather than detailed instructions about how to manage sport enterprises. It serves as a foundation for students' further studies in various subject areas in the field/profession of sport management, such as sport marketing, sport law, sport facility and event management, economics of sport, sport finance, etc.

SPM 3104  Sport Facility and Event Management  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

An introduction to sports facilities that focuses on elements of planning, design, and management, while examining event management functions related to maintenance, security, operations, and evaluation. Emphasis will be focused on problem solving utilizing class discussions, guest speakers, and facility site visitations as feasible. Open only to Juniors and Seniors.

SPM 3115  Organizational Management and Leadership in Sport  
3 sh (may not be repeated for credit)  
Prerequisite: Completion of 60 hours of college course work is required prior to taking this course. 
Co-requisite: SPM 3004

Organizational behavior, management, and leadership issues specific to the sport business environment. Students will gain knowledge of management and leadership best practices in sport business. Students will also learn how a variety of management and leadership practices impact sport organizations.

SPM 3306  Sports Marketing  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

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. Open only to Juniors and Seniors.

SPM 3403  Sport Media  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

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. Open only to Juniors and Seniors.

SPM 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

SPM 4003  Sport Management Careers Seminar  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

Designed to prepare and assist students entering the workforce by completing a field experience and participating in classroom discussions. Students will learn job seeking skills including job searching, creating quality application documents, interviewing, networking, and professionalism. The primary objective of this course is to have students secure their ideal internship. It is taken the semester prior to students? internship/capstone course. Must complete 12 hours of SPM 3/4000 level courses.

SPM 4012  Sociology of Sport  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

Students are introduced to the fundamental concepts of sports and sociology and examine various social phenomena taking place relating to sports such as violence and sports in schools and colleges. It introduces students to an array of social theories that apply to analyzing some social issues related to sports such as race and ethnicity, gender, social class, politics, and religion. This course will generate the awareness for students to understand the importance of, and paying attention to, the social functions of sports played in today's society.

SPM 4503  Economic Issues in Sport  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

Introduction to the fundamental concepts of sport economics and economic strategies in the sport industry. Students' knowledge of sport products and practical skills for evaluating economic decision making as part of a sports management team are developed. Open only to Juniors and Seniors.

SPM 4505  Principles and Issues in Sport Finance  
3 sh (may not be repeated for credit)  
Prerequisite: ((ACG 3082 AND SPM 3004)) AND (ECO 2013 OR ECO 3003)

Students will gain the 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 are covered. Open only to Juniors and Seniors.

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. Open only to Juniors and Seniors.

SPM 4723  Sport Law and Risk Management  
3 sh (may not be repeated for credit)  
Prerequisite: SPM 3004

An introduction to the legal concepts that may significantly affect one's career in management of amateur or professional sports, and of other areas in sport operations. Topics of discussion primarily focus on the legal issues involved in business practices in the sport industry using a case analysis format. Open only to Juniors and Seniors.
SPM 4945  Senior Capstone Experience in Sport Management  
6 sh (may not be repeated for credit)  
Prerequisite: SPM 4003  
This capstone experience for Sport Management majors provides opportunities for students to put theory into practice through active participation in an appropriate sport organization. While students are able to gain some experience in the field supervised by practitioners in the sport industry, academic support from faculty is provided to ensure students accomplish the goals and objectives planned by the student, the academic instructor, and the field supervisor. Students will complete a capstone project that should advance their learning experience, as well as potentially benefit the sport organization for which they work. Departmental permission is required. Approval by academic adviser and program director is required.

**SPN-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. This course is not available for native speakers.  

**SPN 1121C  Spanish II**  
4 sh (may not be repeated for credit)  
Prerequisite: SPN 1120C  
This is a continuation of SPN1120C, a proficiency-oriented course, emphasizing the mastery of the basic skills of the language. An integrated (multi-media) approach to develop proficiency in all the basic language skills: listening/understanding, speaking, reading, writing and cross-cultural awareness. Students will build on their ability to understand frequently used words in oral contexts, as well as understand and respond appropriately to simple phrases and questions. Emphasis is placed on practical vocabulary and accurate pronunciation. This course is not available to native speakers. Pre-requisite is SPN 1120C (minimum grade of C) or successful completion of a placement test.  

**SPN 1905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)  

**SPN 2200  Intermediate Reading and Translation**  
3 sh (may not be repeated for credit)  
Prerequisite: SPN 1121C  
The purpose of this course is to offer opportunities for students to develop their language skills and to prepare them for higher-level courses in Spanish. The course will emphasize intensive practice in reading, translation and conversation. For students who have previous experience in Spanish, but are not yet prepared for advanced work in the language. This course is not available for native speakers. It has a pre-requisite of SPN1121C (minimum grade of C) or successful completion of a placement test.  

**SPN 2210  Intermediate Composition & Conversation**  
3 sh (may not be repeated for credit)  
Prerequisite: SPN 1121C  
Practical oral communication course for students on an intermediate level. Prepares students for SPN 2200. This course is not available for native speakers. SPN 1121C (minimum grade of C) or successful completion of placement test is required.  

**SPN 2250  Advanced Composition & Conversation**  
3 sh (may not be repeated for credit)  
Prerequisite: SPN 2210  
An advanced course in oral and written communication skills in Spanish. Emphasis includes development of conversation skills, advanced vocabulary and idiomatic expressions.  

**SPN 2905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)  

**SPN 3300  Advanced Stylistics**  
3 sh (may not be repeated for credit)  

**SPN 3410  Composition and Conversation**  
3 sh (may not be repeated for credit)  
Skill in writing and speaking Spanish.  

**SPN 4905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)  

**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 backgrounds of Latin American literature. Meets Multicultural Requirement.  

**SPN 4955  Intensive Spanish Abroad**  
1-5 sh (may not be repeated for 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. Meets Multicultural Requirement.  

**SPS-School of Psychology Courses**

**SPW-Spanish Lit:Writings Courses**

**SPW 3190  Topics in Hispanic Literature**  
3 sh (may be repeated for up to 6.000 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.  

**SPW 3905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)  

**SPW 4905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)  

**SPW 6905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)  

**SSE-Social Studies Education Courses**

**SSE 3905  Directed Study**  
1-12 sh (may be repeated indefinitely for credit)
SSE 4113  Social Studies for Elementary Teachers  
3 sh (may not be repeated for credit)  
This course will provide students with instructional strategies and materials for teaching a contemporary program in social studies in the elementary school. Students will creatively interact with history, geography, civics and economics. Particular attention will be paid to citizenship education, multicultural understandings and 21st century models for teaching social studies.  

SSE 4324  Teaching Social Studies in the Middle and Secondary Schools  
3 sh (may not be repeated for credit)  
This course will provide students with instructional strategies and materials for teaching a contemporary program in social studies in the secondary school. Students will creatively interact with history, geography, civics and economics. Particular attention will be paid to citizenship education, multicultural understandings and 21st century models for teaching social studies.  

SSE 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
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. Permission is required.  

SSE 6326  Teaching Social Studies in Middle and Secondary Level Education  
3 sh (may not be repeated for credit)  
Prerequisite: 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.  

SSE 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
SSE 7905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
* This course may be taken prior to or during the same term.  

**STA-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* OR 22 ACT Math OR 520 SAT Math  

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. Meets Gordon Rule Applied Mathematics Requirement.  

STA 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
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. Meets Gordon Rule Applied Mathematics Requirement.  

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. Offered concurrently with MAP 5XX1 (Introduction to Mathematical Statistics I); graduate students will be assigned additional work. Meets Gordon Rule Applied Mathematics Requirement.  

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. Meets Gordon Rule Applied Mathematics Requirement.  

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. Meets Gordon Rule Applied Mathematics Requirement.  

STA 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
STA 5166  Special Topics in Statistics  
3 sh (may not be repeated for credit)  
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) 

A second course in statistics for students in the Mathematical Sciences Graduate Program. Topics covered include analysis of variance, regression analysis, nonparametric 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 additional work. 

STA 5326  Mathematical Statistics II  
3 sh (may not be repeated for credit) 

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. 

STA 6235  Modeling in Regression  
3 sh (may not be repeated for credit) 
Prerequisite: STA 5176 

Several advanced topics in regression are covered, such as nonlinear regression, influence diagnostics, Eigensystem analysis of X\(X^t\) matrix, logistic regression, ridge regression, robust regression, and generalized linear models. 

STA 6246  Design and Analysis of Experiments  
3 sh (may not be repeated for credit) 

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) 

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) 

Mathematical probability models and distributions; linear programming models; the simplex method; duality and sensitivity analysis; inventory models; queuing theory; simulation. 

STA 6666  Statistical Quality Control I  
3 sh (may not be repeated for credit) 

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 6707 

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 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

STA 6912  Statistics Research 1  
3 sh (may not be repeated for credit) 
Prerequisite: STA 6912 

This course gives students the opportunity to engage in group and independent research projects. Research topics and materials vary according to instructor. Technical reports and oral presentations are expected of each student. Students must have completed 15 hours of graduate course work in the program and have maintained at least a 3.0 GPA. Students must also commit to both fall and spring sections of the course. 

STA 6913  Statistics Research 2  
3 sh (may not be repeated for credit) 
Prerequisite: STA 6912 

This course gives students the opportunity to engage in group and independent research projects. Research topics and materials vary according to instructor. Technical reports and oral presentations are expected of each student. 

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 8.000 sh of credit) 
Graded on satisfactory / unsatisfactory basis only. Permission is required. 

* This course may be taken prior to or during the same term. 

** SYA-Sociological Analysis Courses **

SYA 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

SYA 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

SYA 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

SYA 6905  Directed Study  
1-12 sh (may be repeated indefinitely for credit) 

SYA 7905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)
SYD-Sociology of Demog/Area 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 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.
SYD 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
SYD 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
SYD 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYG-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. Satisfies Florida Common Core Social Sciences requirement.

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. Satisfies UWF Breadth requirement in Social Sciences.

SYG 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYG 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.

SYO-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 3250  Sociology of Education
3 sh (may not be repeated for credit)
Prerequisite: SYG 2000
This course will examine the school, the social organization of schools and school systems, situated in society. It will explore the school in the context of and as a constructed entity in society, interdependent on other institutions, molded by social forces and social norms, and, as an effective vehicle for promoting multicultural awareness and for meeting the educational needs of the diverse populations. Sociologists who study education utilize various theories and empirical methodologies in order to understand the relationship between schools and society. Accordingly, this course will examine the importance of education as a social institution from a sociological perspective. The course will begin by discussing the history and goals of education, as well as the ways in which sociologists have sought to understand this institution. We will then examine important topics including educational inequality, the dynamics of race, class, and gender in education, standardized testing, school choice, and higher education. Meets Multicultural Requirement.

SYO 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYO 4530  Inequality in America
3 sh (may not be repeated for credit)

SYO 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYO 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYO 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYP-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.

SYP 3905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYP 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYP 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

SYP 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

Speech Education Courses

SED 5340C  College Teaching of Speech Communication
3 sh (may not be repeated for credit)
Guides students through theory, techniques and experiential learning environments related to the college teaching of speech communication. Permission is required.
TAX-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. Credit may not be received in both TAX 4001 and TAX 4002.

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 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

TAX 5105   Corporate Income Tax
3 sh (may not be repeated for credit)
Federal income taxation of corporations and their shareholders, with special emphasis on incorporation, earning, distributions, reorganizations, liquidations and Subchapters. Offered concurrently with TAX 4012; graduate students will be assigned additional work.

TAX 5905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

TAX 6065   Tax Data Bases, Research and Procedure
3 sh (may not be repeated for credit)
Interpretative sources of tax laws and their interrelationships plus an analysis of federal tax procedures at the judicial and administrative level.

TAX 6405   Estate Gift and Trust Taxation
3 sh (may not be repeated for credit)
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)
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.

TAX 6905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

THE-Theatre Stud Gen Reso 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. Satisfies Florida Common Core Humanities requirement.

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. Satisfies UWF Breadth requirement in Humanities. Meets Gordon Rule Writing Requirement.

THE 2905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 9.000 sh of credit)
Prerequisite: TPA 2200
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 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

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 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

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.
TPA-Transportation Logistics Courses
TPA 2290L Technical Theatre Laboratory
1-12 sh (may be repeated indefinitely for credit)
Co-requisite: TPA 2200
A practical laboratory for application of technical theatre skills. Material and supply fee will be assessed.

TPA 2200 Technical 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 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)
A practical laboratory for application of technical theatre skills. Material and supply fee will be assessed.

TPA 3020 Lighting Design I
3 sh (may not be repeated for credit)
Prerequisite: TPA 3344
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.

TPA 3060 Scene Design I
3 sh (may not be repeated for credit)
Prerequisite: TPA 2000* AND TPA 3344
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.

TPA 3223 Lighting Technology
3 sh (may not be repeated for credit)
Prerequisite: TPA 2200
Advanced study of the lighting equipment, dimmers, control, and other electronics used in the Theatre.

TPA 3230 Costume Construction
3 sh (may not be repeated for credit)
Techniques of patterning, cutting, fitting, draping, and basic construction of stage costumes. Material and supply fee will be assessed.

TPA 3313 Scenic Technology
3 sh (may not be repeated for credit)
Prerequisite: TPA 2200
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.

TPA 3344 Drafting for the Stage
3 sh (may not be repeated for credit)
Prerequisite: TPA 2200
Drafting is a very important communication tool for designers and technicians in the theatre, allowing them to give precise directions on how a project is to be implemented. Students gain an understanding of drafting tools to effectively communicate ideas in a clear and precise form. Offered Spring semester only.

TPA 3601 Stage Management
3 sh (may not be repeated for credit)
Prerequisite: THE 2000
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.

TPA 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

TPA 4021C Lighting Design II
3 sh (may not be repeated for credit)
Prerequisite: TPA 3020
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.

TPA 4045 Costume Design I
3 sh (may not be repeated for credit)
Prerequisite: THE 4260
Introduction to theatrical costume design for the stage using the design principles of line, shape, space, color, form, texture, and size. Permission is required.

TPA 4046 Costume Design II
3 sh (may not be repeated for credit)
Prerequisite: TPA 4045
Advanced theatrical costume design for the stage using the design principles of line, shape, space, color, form, texture, and size.

TPA 4061 Scene Design II
3 sh (may not be repeated for credit)
Prerequisite: TPA 3060
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.
TPA 4077  Scene Painting
2 sh (may not be repeated for credit)
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.

TPA 4504  Performing Arts Administration
3 sh (may not be repeated for credit)
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.

TPA 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

TPP-Theatre Perf Perf Train 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. Offered Fall semester only.

TPP 2250L  Musical Theatre Vocal Theory Lab
1 sh (may not be repeated for 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 2905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

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
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 2110
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 not be repeated for 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 8.000 sh of credit)
Prerequisite: TPP 2250
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 AND TPP 3650  
This course is an introduction to the art and craft of directing for the stage. Class work is aimed at teaching new directors the fundamentals of analyzing the text, communicating effectively with actors, working on different types of stages, and creating a cohesive production concept. This course requires rehearsal time outside of regularly scheduled class hours.

TPP 3650  Script Analysis  
3 sh (may not be repeated for credit)  
Prerequisite: THE 2300  
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 3743C  Music Theatre Voice for Actors  
1 sh (may be repeated for up to 4.000 sh of credit)  
Prerequisite: TPP 2250*  
Students will learn vocal technique and repertoire knowledge necessary for performance in Musical Theatre including breath control, diction, tone production, and song interpretation. Students will work both in groups and individually in front of the class.

TPP 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
TPP 4113  Acting III  
3 sh (may not be repeated for credit)  
Prerequisite: TPP 1282 AND 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. Credit may not be received in both TPP 4113 and TPP 4141.

TPP 4905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)  
* This course may be taken prior to or during the same term.

**TRA-Transportation Logistics Courses**

TRA 3153  Strategic Transportation Management  
3 sh (may not be repeated for credit)  
Presents 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.

TRA 3234  Warehousing and Terminal Management  
3 sh (may not be repeated for credit)  
Prerequisite: MAR 3202  
Planning and managing the flow of materials, parts and finished goods from suppliers, through production and final distribution to customers. Domestic distribution and import/export intermodal terminal operations are examined to understand how decisions and performance pertaining to such operations influence service quality, total cost to the organization and total cost for the entire supply chain.

TRA 4155  Seminar in Supply Chain Logistics Strategy  
3 sh (may not be repeated for credit)  
Prerequisite: MAR 3202 AND TRA 4202*  
Seminar in Supply Chain Logistics Strategy provides active learning opportunities for students to evaluate current strategic issues in managing logistics and transportation throughout consumer and industrial supply chains. Today’s supply chains require managers to be skilled in evaluating complex business logistics situations and in making decisions that have immediate and long-term corporate implications. The real-world and live case-based materials are designed to help students develop high-level analytical and decision-making skills pertaining to the many logistics operations that influence the service levels and capabilities of domestic and global supply chains. Offered concurrently with TRA 5159; graduate students will be assigned additional work.

TRA 4202  Logistics Systems and Analytics  
3 sh (may not be repeated for credit)  
Prerequisite: MAR 3202  
Students will learn to make improved business logistics and supply chain management decisions through the practical application of multiple analytical techniques used by managers in the field. Emphasis is placed on supply chain network analysis and design, inventory analysis and decision making, equipment and resource management, information management systems for analyzing and executing logistics decisions, and process management improvements to reduce total logistics cost and improve logistics service. Offered concurrently with TRA 5206; graduate students will be assigned additional work.

TRA 5159  Seminar in Supply Chain Logistics Strategy  
3 sh (may not be repeated for credit)  
Prerequisite: MAR 3202 AND TRA 4202*  
Seminar in Supply Chain Logistics Strategy provides active learning opportunities for students to evaluate current strategic issues in managing logistics and transportation throughout consumer and industrial supply chains. Today’s supply chains require managers to be skilled in evaluating complex business logistics situations and in making decisions that have immediate and long-term corporate implications. The real-world and live case-based materials are designed to help students develop high-level analytical and decision-making skills pertaining to the many logistics operations that influence the service levels and capabilities of domestic and global supply chains. Must have the equivalent of MAR 3202 Supply Chain Logistics Management, or TRA 3153 Transportation Strategy, or MAN 3504 Operations Management. Offered concurrently with TRA 4155; graduate students will be assigned additional work.

TRA 5206  Logistics Systems and Analytics  
3 sh (may not be repeated for credit)  
Prerequisite: MAR 3202 AND TRA 4202*  
Students will learn to make improved business logistics and supply chain management decisions through the practical application of multiple analytical techniques used by managers in the field. Emphasis is placed on supply chain network analysis and design, inventory analysis and decision making, equipment and resource management, information management systems for analyzing and executing logistics decisions, and process management improvements to reduce total logistics cost and improve logistics service. Must have the equivalent of MAR 3202 Supply Chain Logistics Management, or TRA 3153 Transportation Strategy, or MAN 3504 Operations Management. Offered concurrently with TRA 4202; graduate students will be assigned additional work.
This course may be taken prior to or during the same term.

### TSL-Teach Eng as a Second Lang Courses

**TSL 4080 ESOL Principles and Practices**
3 sh (may not be repeated for credit)

The course provides an overview of information and skills concerning the education of students who are English Language Learners (ELL). The course focuses on cross-cultural understanding and methods of teaching English to speakers of other languages, as well as curriculum and materials to support such work. It provides an introduction to linguistics and builds capacity with regard to working with families of students learning English. Offered concurrently with TSL 5085 and graduate students will complete additional higher-level work.

**TSL 4081 Teaching English to ESOL Students**
3 sh (may not be repeated for credit)
Prerequisite: TSL 4080

This is the second in a sequence of two courses designed to provide students with knowledge and skills related to the education of English Language Learners (ELLs). The course addresses cross-cultural communication and methods of Teaching English to Speakers of Other Languages (TESOL) with emphasis on second language acquisition theories, the role of applied linguistics in second language teaching and learning, and the assessment of ELL 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 (ELLs) 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)
Prerequisite: TSL 4140

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 as a 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. Credit may not be received in both TSL 5250 and TSL 6250.

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 an 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. Offered Fall and Spring semester only.

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. Credit may not be received in both TSL 5440 and TSL 6440.

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.

TSL 5905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

URP-Urban Regional Planning Courses  
WST-Women's Studies Courses  
Zoo-Zoology Courses

ZOO 3558  Coral Reefs  
3 sh (may not be repeated for credit)  
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 3905  Directed Study  
1-12 sh (may be repeated indefinitely for credit)

ZOO 4254C  Marine Invertebrate Zoology  
4 sh (may not be repeated for credit)  
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 4304C  Marine Vertebrate Zoology  
4 sh (may not be repeated for credit)  
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 4454  Elasmobranch Biology  
3 sh (may not be repeated for credit)  
Prerequisite: BSC 2011/L  
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: BSC 2011/L  
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 4472  Avian Science
3 sh (may not be repeated for credit)
Prerequisite: (BSC 2011/L AND STA 2023) OR MAC 1000
Avian Science is a course that describes and provides experience in the study of birds in order to answer questions about their basic ecology, with special emphasis on techniques for data collection and data management typically associated with research and monitoring of bird populations. Topics include species identification (visual and by song), movements and migration, habitat selection, foraging behavior, reproduction and nesting ecology, and demography (estimating survival, population size, nest success). Avian Science emphasizes S.T.E.M education, covering aspects of science, engineering, technology, and math important to many areas of ecology. Many of the techniques and concepts taught in this course, especially the sections on movements and spatial ecology, habitat selection, and demography, apply to fauna other than birds. Bird identification and survey experiences focus on species found on the UWF campus and on wintering waterfowl in local estuaries. The course consists of approximately 1/3 lectures and discussion, 1/3 laboratory exercise, and 1/3 field experiences. The class meets once per week for 2.75 hours. In addition, participation in one supervised day long (approximately 12-hrs) bird survey is required outside of normal class time, and may need to take place on a weekend (depending on survey schedule and weather). A one weekend field trip is required in this course, and students are expected to have the ability to hike and do field work. Graduate students will be assigned additional work.

ZOO 5475  Avian Science
3 sh (may not be repeated for credit)
Prerequisite: (BSC 2011/L AND STA 2023) OR MAC 1000
Avian Science is a course that describes and provides experience in the study of birds in order to answer questions about their basic ecology, with special emphasis on techniques for data collection and data management typically associated with research and monitoring of bird populations. Topics include species identification (visual and by song), movements and migration, habitat selection, foraging behavior, reproduction and nesting ecology, and demography (estimating survival, population size, nest success). Avian Science emphasizes S.T.E.M education, covering aspects of science, engineering, technology, and math important to many areas of ecology. Many of the techniques and concepts taught in this course, especially the sections on movements and spatial ecology, habitat selection, and demography, apply to fauna other than birds. Bird identification and survey experiences focus on species found on the UWF campus and on wintering waterfowl in local estuaries. The course consists of approximately 1/3 lectures and discussion, 1/3 laboratory exercise, and 1/3 field experiences. The class meets once per week for 2.75 hours. In addition, participation in one supervised day long (approximately 12-hrs) bird survey is required outside of normal class time, and may need to take place on a weekend (depending on survey schedule and weather). A one weekend field trip is required in this course, and students are expected to have the ability to hike and do field work. Graduate students will be assigned additional work.

ZOO 5452  Elasmobranch Biology
3 sh (may not be repeated for credit)
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 5458  Fish Physiology
3 sh (may not be repeated for credit)
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 4457; graduate students will be assigned additional work.

ZOO 5477  Marine Vertebrate Zoology
1-12 sh (may be repeated indefinitely for credit)
ZOO 4905; graduate students will be assigned additional work.

ZOO 4457; graduate students will be assigned additional work.

ZOO 5486  Marine Mammalogy
3 sh (may not be repeated for credit)
Application of current mammalogy principles to the study of marine mammal biology and phylogeny. Emphasizes ecology, physiology and behavior of the sixteen marine mammal families. Offered concurrently with ZOO 5486; graduate students will be assigned additional work.

ZOO 5451  Animal Behavior
3 sh (may not be repeated for credit)
Prerequisite: BSC 2011/L
Contemporary view of animal behavior including discussion of sensory and neurobiology, biological rhythms, genetic and experiential influences on behavior, communication, orientation, migration, predator-prey relationships and social behavior. Offered concurrently with ZOO 5514; graduate students will be assigned additional work.

ZOO 4905  Directed Study
1-12 sh (may be repeated indefinitely for credit)

ZOO 5305C  Marine Vertebrate Zoology
4 sh (may not be repeated for credit)
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. Offered Concurrently with ZOO 4304; Graduate students will be assigned additional work.

ZOO 5905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
ZOO 6905  Directed Study
1-12 sh (may be repeated indefinitely for credit)
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